

AI Prompt Engineering Quiz (100 Questions)

1. What is a prompt?

- A. A computer program
- B. An instruction or question given to an AI model
- C. A type of database
- D. A programming language

2. Which characteristic makes a prompt more effective?

- A. Being vague
- B. Being specific and clear
- C. Using random words
- D. Making it as short as possible

3. Which prompt is likely to produce the best response?

- A. Tell me something.
- B. Write.
- C. Explain how solar panels generate electricity in simple language for middle school students.
- D. Stuff.

4. What is the main goal of prompt engineering?

- A. Repair computers
- B. Design websites
- C. Write prompts that produce better AI outputs
- D. Build hardware

5. Which prompt includes useful context?

- A. Write something.
- B. Help.
- C. Write a professional email to a customer apologizing for a delayed shipment.
- D. Make words.

6. What is "context" in a prompt?

- A. The computer's memory
- B. Background information that helps the AI understand the request
- C. A programming error
- D. A type of software

7. Which prompt is an example of role prompting?

- A. Explain photosynthesis.
- B. Pretend you are a biology teacher explaining photosynthesis to a sixth-grade student.
- C. Plants make food.
- D. Biology.

8. Why is specifying the audience helpful?

- A. It makes the AI faster.
- B. It helps adjust language, detail, and tone.
- C. It changes the AI model.
- D. It reduces internet usage.

9. Which prompt requests a specific output format?

- A. Tell me about dogs.
- B. Explain dogs.
- C. List five dog breeds in a table with size and lifespan.
- D. Dogs.

10. Which prompt gives the AI the clearest objective?

- A. History.
- B. Tell me everything.
- C. Summarize the causes of World War I in five bullet points.
- D. Write.

11. What is zero-shot prompting?

- A. Giving the AI no examples before asking it to perform a task
- B. Asking zero questions
- C. Using zero words
- D. Turning off the AI

12. What is one-shot prompting?

- A. Giving exactly one instruction
- B. Providing one example before asking the AI to complete a similar task
- C. Asking one question only
- D. Using one sentence

13. What is few-shot prompting?

- A. Giving several examples before asking the AI to continue the pattern
- B. Asking fewer questions
- C. Writing shorter prompts
- D. Limiting the AI's memory

14. Why do examples often improve prompts?

- A. They reduce electricity usage.
- B. They demonstrate the expected style and format.
- C. They make the AI newer.
- D. They change the AI model.

15. Which instruction is most precise?

- A. Write a story.
- B. Write a 500-word mystery story set in Victorian London with a surprise ending.
- C. Story.
- D. Make something.

16. Which prompt best controls the tone?

- A. Explain climate change.
- B. Explain climate change using a friendly, encouraging tone suitable for elementary students.
- C. Climate.
- D. Weather.

17. Why should prompts avoid unnecessary ambiguity?

- A. It increases confusion.
- B. It helps produce more accurate responses.
- C. It changes the AI model.
- D. It makes responses longer.

18. Which is an example of adding constraints?

- A. Explain AI.
- B. Explain AI in fewer than 100 words using simple language.
- C. AI.
- D. Technology.

19. Which prompt requests a numbered list?

- A. Explain cloud computing.
- B. Describe cloud computing in five numbered steps.
- C. Cloud computing.
- D. Technology.

20. What does iterative prompting mean?

- A. Repeatedly refining prompts based on previous responses
- B. Restarting the computer
- C. Installing software
- D. Asking unrelated questions

21. Which prompt is most likely to reduce misunderstandings?

- A. Explain economics.
- B. Explain supply and demand with a real-world example suitable for high school students.
- C. Economics.
- D. Business.

22. Why is requesting examples useful?

- A. They make answers more practical and easier to understand.
- B. They reduce memory usage.
- C. They shorten prompts.
- D. They disable AI reasoning.

23. Which prompt best defines the desired output?

- A. Explain recycling.
- B. Create a three-column table showing recyclable materials, examples, and recycling tips.
- C. Recycling.
- D. Trash.

24. Which prompt includes both context and a role?

- A. Write an email.
- B. Act as a customer service manager and write a polite response to a customer requesting a refund for a damaged product.
- C. Refund.
- D. Customer.

25. What is one of the biggest benefits of effective prompt engineering?

- A. It guarantees perfect answers.
- B. It improves the relevance, clarity, and usefulness of AI-generated responses.
- C. It replaces human judgment.
- D. It changes the AI model itself.

26. What is the purpose of using delimiters in a prompt?

- A. To make the AI run faster
- B. To separate different sections of information clearly
- C. To change the AI model
- D. To remove instructions

27. Which prompt uses delimiters effectively?

- A. Summarize this text: "Artificial intelligence is transforming many industries."
- B. Summarize text
- C. AI summarize
- D. Make summary

28. What is a prompt template?

- A. A pre-designed structure that can be reused for similar tasks
- B. A computer screen layout
- C. A type of AI hardware
- D. A software bug

29. Which is an example of a prompt template?

- A. "Write something."
- B. "Summarize the following article for [audience] in [number] bullet points."
- C. "Hello AI."
- D. "Answer."

30. What does "prompt refinement" mean?

- A. Making a prompt clearer and more effective through improvement
- B. Deleting all instructions
- C. Changing the AI software
- D. Creating a new computer

31. A user asks an AI: "Write a report." The answer is too general. What is the best next step?

- A. Stop using AI
- B. Make the prompt more specific by adding requirements
- C. Delete the report
- D. Use random words

32. What is an AI hallucination?

- A. When an AI creates incorrect or fabricated information while sounding confident
- B. When an AI stops working permanently
- C. When an AI becomes conscious
- D. When a computer overheats

33. Which prompt can help reduce hallucinations?

- A. "Make up facts about this topic."
- B. "If you are uncertain, state that you do not know and provide verified information only."
- C. "Answer quickly."
- D. "Ignore accuracy."

34. What does "grounding" mean in AI prompting?

- A. Connecting AI responses to reliable information or provided data
- B. Turning off the AI
- C. Making prompts shorter
- D. Removing context

35. Which prompt is best for summarizing a document?

- A. Summarize.
- B. Summarize the following document in five bullet points, focusing on the key findings and recommendations.

- C. Document.
- D. Make it shorter.

36. What is the purpose of assigning an AI a role?

- A. To provide a perspective, expertise level, or communication style
- B. To physically change the AI
- C. To increase internet speed
- D. To create a new AI system

37. Which example uses expert role prompting?

- A. "Explain investing."
- B. "Act as a financial educator and explain investing concepts to beginners."
- C. "Money."
- D. "Invest."

38. What is the benefit of asking an AI to show its reasoning process?

- A. It can sometimes help users understand how an answer was reached
- B. It guarantees correctness
- C. It changes the AI's programming
- D. It removes the need for review

39. Which instruction improves a complex problem-solving prompt?

- A. "Solve this."
- B. "Analyze the problem, identify key factors, and provide a structured solution."
- C. "Guess."
- D. "Answer randomly."

40. What is a common mistake when writing AI prompts?

- A. Providing clear goals
- B. Including useful context
- C. Being vague about the desired result
- D. Defining the audience

41. Which prompt is better for generating a business plan?

- A. Make a business plan.
- B. Create a business plan for a coffee shop including target customers, marketing strategy, estimated costs, and revenue goals.
- C. Business.
- D. Coffee.

42. What does "output format" refer to?

- A. The structure in which the AI delivers its response
- B. The AI's computer hardware
- C. The training data
- D. The internet connection

43. Which prompt requests structured output?

- A. Explain customer feedback.
- B. Analyze customer feedback and organize the results into categories with recommendations.
- C. Feedback.
- D. Customers.

44. Why should users specify a desired length?

- A. It helps control the amount of information provided
- B. It changes AI intelligence
- C. It improves internet speed
- D. It prevents all errors

45. Which prompt is most useful for creating marketing content?

- A. Write an advertisement.
- B. Create a 30-second social media advertisement for a fitness app targeting busy professionals using an energetic tone.
- C. Marketing.
- D. Fitness.

Difficulty: Medium

46. What is prompt chaining?

- A. Breaking a complex task into multiple smaller prompts
- B. Connecting computers together
- C. Writing longer sentences
- D. Deleting previous responses

47. Which is an example of prompt chaining?

- A. Ask AI to write an entire book immediately
- B. First generate an outline, then develop chapters, then edit the final draft
- C. Ask unrelated questions
- D. Repeat the same sentence

48. Why are constraints useful in prompts?

- A. They guide the AI toward a specific result
- B. They prevent AI from responding
- C. They reduce all creativity
- D. They change the model

49. Which prompt would likely create the strongest creative writing output?

- A. Write a story.
- B. Write a 1,000-word science fiction story about a scientist discovering a new planet, using suspenseful storytelling and vivid descriptions.

- C. Story please.
- D. Fiction.

50. What is the most important principle of effective prompting?

- A. Make prompts as complicated as possible
- B. Provide clear instructions aligned with the desired outcome
- C. Avoid giving context
- D. Use the longest possible prompt

51. What is the purpose of evaluating AI-generated responses?

- A. To determine whether the output meets quality requirements
- B. To make the AI model larger
- C. To remove all human involvement
- D. To change the computer hardware

52. Which factor is important when reviewing an AI response?

- A. Accuracy
- B. Color of the computer
- C. Keyboard brand
- D. Screen size

53. What is a system prompt?

- A. A high-level instruction that guides an AI model's behavior
- B. A computer restart command
- C. A type of keyboard shortcut
- D. A file format

54. What is the difference between a user prompt and a system prompt?

- A. A user prompt gives a request, while a system prompt provides higher-level instructions
- B. They are always identical
- C. User prompts control hardware

D. System prompts are only for formatting text

55. Which prompt is best for generating computer code?

- A. Write code.
- B. Create a Python function that sorts a list of numbers and explain each step.
- C. Programming.
- D. Computer.

56. When asking AI for code, why should users specify the programming language?

- A. Different languages have different syntax and capabilities
- B. It makes the AI faster
- C. It changes the computer processor
- D. It removes the need for testing

57. Which prompt provides useful coding context?

- A. Fix this code.
- B. Debug this Python program that reads CSV files and explain the error causing the failure.
- C. Code problem.
- D. Programming issue.

58. What information helps an AI debug code more effectively?

- A. Error messages and relevant code examples
- B. The computer's wallpaper
- C. The user's favorite color
- D. Random text

59. What is an image generation prompt?

- A. A text description used to guide an AI image creation system
- B. A photo editing program
- C. A computer virus

D. A storage device

60. Which image prompt would produce a more specific result?

A. A dog

B. A golden retriever running through a snowy forest at sunrise, realistic photography style

C. Animal

D. Picture

61. Which element can improve an image generation prompt?

A. Describing lighting and visual style

B. Removing all details

C. Using unrelated words

D. Avoiding descriptions

62. What is a negative prompt in image generation?

A. Instructions describing what should be avoided in the image

B. A negative opinion about AI

C. A failed prompt

D. A security warning

63. What is the purpose of temperature settings in some AI systems?

A. To influence randomness and creativity in responses

B. To control physical temperature

C. To increase computer speed

D. To store information

64. For a factual report, which temperature style is generally preferred?

A. More controlled and consistent output

B. Maximum randomness

C. Completely unpredictable answers

D. No instructions

65. What is prompt injection?

- A. An attempt to manipulate an AI system into ignoring intended instructions
- B. Adding helpful context
- C. Improving grammar
- D. Formatting a document

66. Which practice helps reduce prompt injection risks?

- A. Carefully separating trusted instructions from untrusted input
- B. Following every instruction automatically
- C. Removing all safeguards
- D. Ignoring security concerns

67. Why should sensitive information be handled carefully when using AI?

- A. To protect privacy and prevent unauthorized exposure
- B. Because AI cannot process text
- C. Because prompts never matter
- D. Because AI deletes computers

68. Which prompt is best for analyzing data?

- A. Analyze this data.
- B. Analyze this sales dataset, identify trends, highlight unusual patterns, and provide recommendations.
- C. Data.
- D. Numbers.

69. What should a user provide when asking AI to analyze data?

- A. Relevant data and a clear analysis goal
- B. Only a topic name
- C. Random numbers

D. No instructions

70. What is chain-of-thought prompting generally intended to help with?

- A. Complex reasoning tasks
- B. Changing computer hardware
- C. Creating internet connections
- D. Installing software

71. Which prompt is more useful for solving a complex problem?

- A. Solve this.
- B. Break this problem into smaller steps, analyze each part, and provide a final recommendation.
- C. Guess.
- D. Answer quickly.

72. What does "few-shot learning" in prompting rely on?

- A. Examples provided within the prompt
- B. Changing the AI's training permanently
- C. Installing new software
- D. Removing instructions

73. Which prompt is better for translation?

- A. Translate this.
- B. Translate this English article into Spanish while maintaining a professional tone.
- C. Language.
- D. Words.

74. Why should AI-generated content often be reviewed by humans?

- A. AI can make mistakes or misunderstand context
- B. AI cannot generate text

- C. Humans are unnecessary
- D. AI always refuses requests

75. Which prompt demonstrates advanced instruction design?

- A. Write something about business.
- B. Act as a business consultant. Analyze the market situation, identify risks, suggest strategies, and present your recommendations in a table.
- C. Business.
- D. Help.

76. What is the purpose of prompt testing?

- A. To determine how well a prompt performs across different situations
- B. To make the AI hardware faster
- C. To remove all instructions
- D. To change the internet connection

77. Which method improves prompt quality through experimentation?

- A. Testing different versions and comparing results
- B. Using the first prompt forever
- C. Removing all details
- D. Avoiding feedback

78. What is prompt optimization?

- A. Improving a prompt to achieve better AI performance
- B. Increasing computer storage
- C. Creating a new AI model
- D. Deleting previous prompts

79. Which change is most likely to improve a vague prompt?

- A. Add specific goals and requirements

- B. Remove context
- C. Shorten it to one word
- D. Add unrelated information

80. What is a reusable AI workflow?

- A. A repeatable sequence of AI-assisted tasks
- B. A computer repair process
- C. A type of keyboard
- D. A hardware upgrade

81. Which is an example of an AI workflow?

- A. Generate ideas → create draft → review → improve final version
- B. Turn on a computer
- C. Open a browser only
- D. Type random words

82. What is the benefit of maintaining prompt libraries?

- A. Saving effective prompts for future use
- B. Increasing computer memory
- C. Removing AI limitations
- D. Changing AI training data

83. Which information is useful to include in a prompt library?

- A. The prompt, purpose, examples, and successful results
- B. Only random words
- C. Computer passwords
- D. Unrelated notes

84. What is the purpose of AI evaluation criteria?

- A. To measure whether AI output meets expectations
- B. To make AI conscious
- C. To replace prompts

D. To increase internet speed

85. Which evaluation question is useful when reviewing AI output?

- A. Does this answer the user's actual request?
- B. Is the computer attractive?
- C. Is the screen large enough?
- D. Is the keyboard expensive?

86. What does "context window" refer to in AI systems?

- A. The amount of information an AI can consider at one time
- B. A computer display setting
- C. A browser window
- D. A physical window

87. Why might extremely long prompts sometimes be ineffective?

- A. They can contain unnecessary information that distracts from the main goal
- B. AI cannot read any text
- C. Longer prompts always fail
- D. They damage computers

88. Which prompt demonstrates good instruction hierarchy?

- A. Provide the goal, relevant context, constraints, and desired format
- B. Use random instructions
- C. Give no information
- D. Only provide a topic

89. What is the purpose of asking AI to identify assumptions?

- A. To reveal possible gaps or uncertainties in the response
- B. To make AI slower

- C. To remove all reasoning
- D. To prevent answers

90. Which prompt is best for strategic planning?

- A. Make a plan.
- B. Act as a strategy consultant. Create a three-year growth plan including goals, risks, resources, and measurable outcomes.
- C. Planning.
- D. Strategy.

91. What is responsible AI prompting?

- A. Using AI carefully while considering accuracy, fairness, privacy, and safety
- B. Avoiding all AI use
- C. Making AI produce anything requested
- D. Ignoring errors

92. Why should prompts avoid biased assumptions?

- A. They can lead to unfair or inaccurate outputs
- B. They make computers slower
- C. They improve every answer
- D. They remove context

93. Which prompt encourages balanced analysis?

- A. Explain why my opinion is correct.
- B. Analyze the advantages, disadvantages, and different perspectives on this issue.
- C. Agree with me.
- D. Ignore opposing views.

94. What is multimodal prompting?

- A. Using multiple types of input, such as text and images
- B. Writing very long prompts

- C. Using multiple computers
- D. Creating only text responses

95. Which is an example of a multimodal prompt?

- A. "Analyze this image and describe what you see."
- B. "Write a sentence."
- C. "Explain grammar."
- D. "Create a list."

96. What makes a professional AI prompt different from a basic prompt?

- A. It usually includes goals, context, constraints, and expected output
- B. It always contains hundreds of words
- C. It uses complicated vocabulary
- D. It avoids instructions

97. Which prompt is best for creating a training lesson?

- A. Teach AI.
- B. Create a 60-minute beginner lesson on AI prompting with learning objectives, activities, examples, and a quiz.
- C. AI lesson.
- D. Education.

98. Why is human judgment still important when using AI?

- A. Humans provide oversight, context, and decision-making
- B. AI cannot generate any responses
- C. AI has no useful applications
- D. Humans are replaced by prompts

99. Which statement best describes expert prompt engineering?

- A. Creating precise instructions that consistently produce useful AI outputs
- B. Writing the longest possible prompts
- C. Avoiding all context
- D. Asking random questions

100. What is the most complete definition of effective prompting?

- A. Giving AI any short command
- B. Designing clear, contextual, goal-focused instructions that guide AI toward accurate and useful results
- C. Making prompts as complex as possible
- D. Allowing AI to guess everything