

Your grade: **100%**

Your latest: **100%** • Your highest: **100%** • To pass you need at least 71%. We keep your highest score.

Next item →

1. The statement 'The data was collected during a three-month study period ' is an example of which component of a well-structured prompt?

1 / 1 point

- ☐ Input data
- ☐ Output indicator
- ☒ Context
- ☐ Instructions

✓ Correct

Prompt engineering eliminates the need for continual fine-tuning, allowing the model to adapt and learn within its context.

2. GPT-3.5, an AI language model, used prompt engineering to \_\_\_\_\_.

1 / 1 point

- ☐ Manage and allocate computational resources for AI training.
- ☐ Optimize the AI's architecture and improve its training process.
- ☐ Create new algorithms to train AI models.
- ☒ Update and modify the AI's outputs by carefully crafting input prompts.

✓ Correct

Prompt engineering is an important technique for guiding an AI language model to generate accurate and relevant outputs. It also refines and customizes the AI model's responses by carefully crafting the input prompts.

3. Prompt engineering tool \_\_\_\_ is commonly used for designing and optimizing prompts in natural language processing (NLP).

1 / 1 point

- ☒ OpenAI's Playground
- ☐ Microsoft's Copilot
- ☐ Google's Gemini
- ☐ Google Classroom

✓ Correct

The prompt engineering tools offer tools to track changes, analyze results, and optimize prompts based on performance metrics.

4. A LangChain component, a prompt template, uses ChatMessagePrompt \_\_\_\_\_.

1 / 1 point

- ☐ To directly retrieve data from a database or knowledge base without any formatting or processing.
- ☐ To create and train machine learning models for natural language processing tasks.
- ☒ To format user queries and manage conversation history for generating contextually relevant responses.
- ☐ To handle user authentication and manage access control to data sources.

✓ Correct

ChatMessagePrompt allows flexible role alignment for designing to format user inputs and create prompts for generating accurate, coherent, and relevant responses from language models.

5. In LangChain, when using the MarkdownHeaderTextSplitter for splitting documents, which method is used to perform the splitting?

1 / 1 point

- ☐ document\_partition
- ☐ tokenize\_documents
- ☒ split\_documents

☐ segment\_data

✔ Correct

split\_documents processes the input documents and segments them based on the Markdown headers.

6. In agents, a language model is used as a reasoning engine to determine which of the following actions?

1 / 1 point

- ☐ Task manager
- ☐ Data loader
- ☐ LangChain agents use only Python code for building applications.
- ☒ Language model

✔ Correct

The language model processes the information and generates decisions based on the training of the model and understanding its context.

7. In the context of LangChain components, which of the following components manages the information-retrieving process from various sources based on the query?

1 / 1 point

- ☐ Prompt template
- ☐ Memory module
- ☒ Retrieval module
- ☐ Document loader

✔ Correct

The retrieval module guides for searching and retrieving the operations to collect relevant information from various sources.