

# Ex.No: 3 Evaluation of Prompting Tools Across Diverse AI Platforms

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**Platforms: ChatGPT, Claude, Bard, Cohere Command, and Meta**

## Aim:

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To compare the output quality, user experience, and performance of various AI platforms — ChatGPT, Claude, Bard, Cohere Command, and Meta — for a technical explanatory use case, and analyze their strengths and weaknesses using a standard prompt.

## Algorithm:

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### 1. Define the Use Case:

- Choose a technical concept to be explained across platforms (e.g., Basics of Cloud Computing).

### 2. Create a Standard Prompt:

- Frame a simple and clear prompt suitable for college students.
- Ensure that the same prompt is submitted to all AI platforms.

### 3. Select the Platforms:

- ChatGPT (GPT-4-turbo), Claude 3 Opus, Bard (Gemini 1.5 Pro), Cohere Command R+, and Meta Llama

### 4. Input and Collect Responses:

- Enter the prompt into each AI tool individually.
- Record outputs in the same conditions (no hints or follow-ups).

### 5. Evaluate Each Response:

- Rate on:
  - Accuracy
  - Clarity
  - Depth
  - Relevance

#### 6. Analyze and Compare:

- Tabulate the scores.
- Identify which platform gives better explanatory output.

## Use Case Selected:

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Explaining a Basic Concept in Cloud Computing

## Standard Prompt Used:

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*"Explain what Cloud Computing is, using simple language and examples that college students can easily understand."*

## Platforms Used:

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- ChatGPT (OpenAI GPT-4 Turbo)
- Claude 3 Opus (Anthropic)
- Bard (Google Gemini 1.5)
- Cohere Command R+
- Meta Llama 3 (70B)

## Input and Execution:

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- Each platform received the exact same prompt.
- Responses were collected without additional context or corrections.

## Evaluation Metrics:

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- Accuracy (Correctness of definition)

- **Clarity** (Ease of understanding)
- **Depth** (Presence of examples and elaborations)
- **Relevance** (Focus on the asked concept)

## Collected Responses Summary:

- **ChatGPT:** Delivered an excellent, real-world relatable explanation (e.g., "Google Drive" analogy).
- **Claude:** Very clear with a step-by-step breakdown of how cloud services work.
- **Bard:** Focused on key points but missed deep examples.
- **Cohere Command:** Gave a correct but surface-level explanation without real-world examples.
- **Meta Llama 3:** Focused more on technical terms; needed a bit simpler explanation for students.

## Analysis Table:

Platform	Accuracy	Clarity	Depth	Relevance	Total (/20)
ChatGPT	5	5	5	5	20
Claude	5	5	4	5	19
Bard (Gemini)	4	5	3	4	16
Cohere Command	4	4	2	4	14
Meta (Llama 3 70B)	4	3	3	4	14

## Result:

Thus, the experiment to evaluate the prompting tools was successfully performed. **ChatGPT** delivered the most balanced, student-friendly explanation, scoring the highest total. **Claude** also performed excellently but was slightly less detailed in examples. **Bard**, **Cohere Command**, and **Meta Llama** gave accurate responses but lacked depth or simplicity for student-level understanding.