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### **EXP 3: Evaluation of Prompting Tools Across Diverse AI Platforms: ChatGPT, Claude, Bard, Cohere Command, and Meta**

#### **Aim:**

Within a specific use case (e.g., summarizing text, answering technical questions), compare the Performance, user experience, and response quality of prompting tools across these different AI Platforms.

#### **Prompt:**

Give an python programm for to find if a number is even or odd ?

#### **Gemini AI:**

Def is\_even(number):

    """Checks if a given number is even.

Args:

    Number: The number to check.

Returns:

    True if the number is even, False otherwise.

    """ Return number % 2 == 0

Get input from the user

Num = int(input("Enter a number: "))

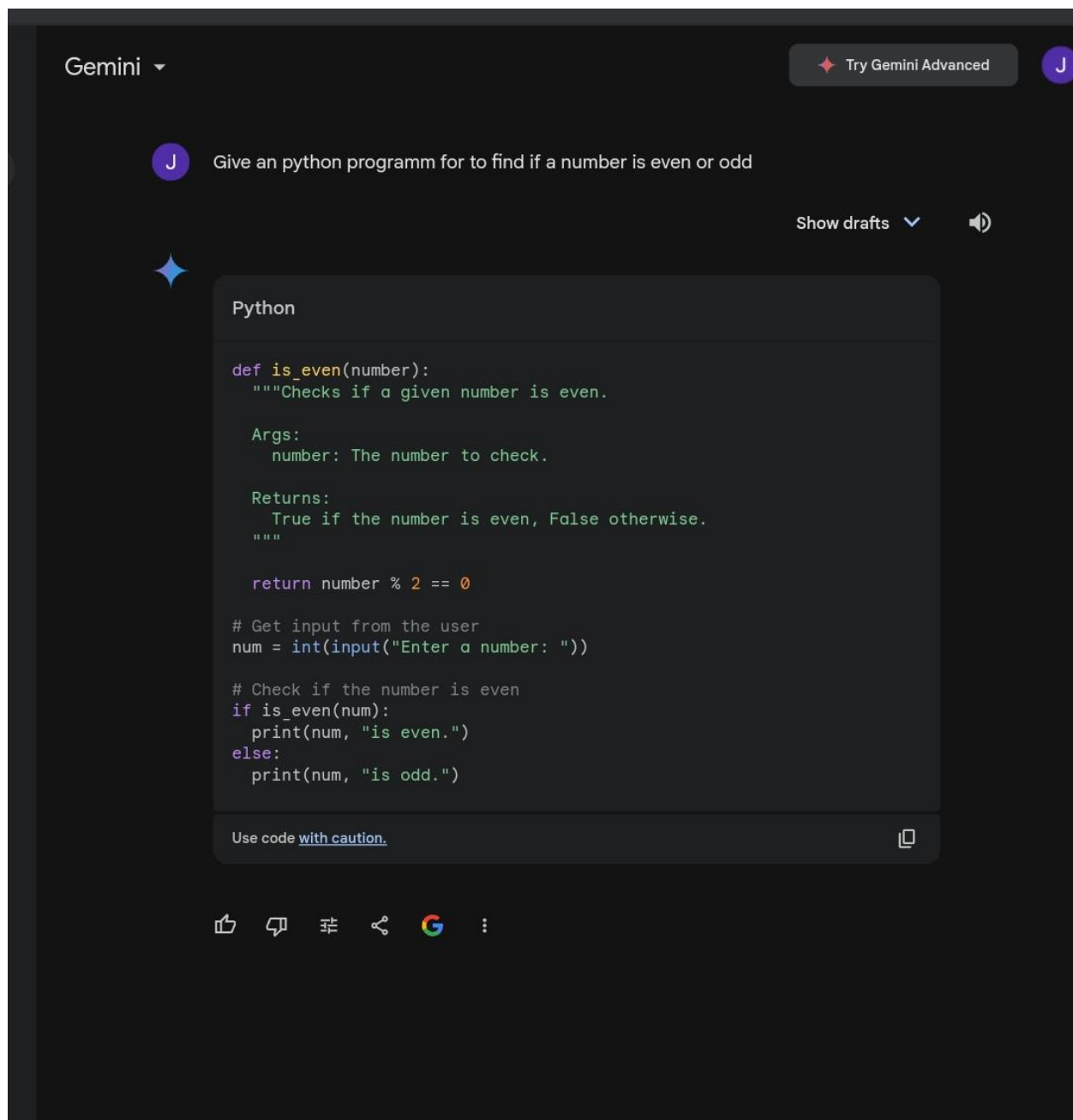
Check if the number is even

If is\_even(num):

    Print(num, "is even.")

Else:

Print(num, "is odd.")



**ChatGPT:**

**# Function to check if a number is even or odd**

**Def check\_even\_odd(num):**

**If num % 2 == 0:**

```
Print(f"{num} is an even number.")
```

**Else:**

```
Print(f"{num} is an odd number.")
```

## # Input from the user

```
Number = int(input("Enter a number: "))
```

## Check\_even\_odd(number)

	ChatGPT	Gemini AI
Main Focus	General-purpose conversational AI, text generation, creativity	Multimodal AI (handles text,

The image shows a screenshot of the ChatGPT web interface. On the left is a dark sidebar with a list of chat titles, including "ChatGPT", "Explore GPTs", "Odd Number Checker", "Iterative AI vs LLMs", "Yesterday", "Shot Prompting Example", "Shot Response Style", "Sequence Matching Inquiry", "FLD Screening Techniques Discu", "to Decade Identification Reque", "FLD Screening Methods Summa", "Revenue Change Calculation", "ious 7 Days", "FLD Screening Methods Review", "ious 30 Days", "FLD Screening Innovation IRT Fil", and "FLD Screening Innovation IRT Fil". The main area on the right has a header with "ChatGPT" and a dropdown arrow, a "Share" button, and a user profile icon labeled "JO". Below the header is a user input box containing the text "Give an python programm for to find if a number is even or odd". The chat history shows a single message from the AI assistant, represented by the OpenAI logo, which says "Here's a simple Python program to check if a number is even or odd:". The program is displayed in a dark-themed code editor with a "python" language label and a "Copy code" button. The code is as follows: 

```
# Function to check if a number is even or odd
def check_even_odd(num):
    if num % 2 == 0:
        print(f"{num} is an even number.")
    else:
        print(f"{num} is an odd number.")

# Input from the user
number = int(input("Enter a number: "))
check_even_odd(number)
```

 Below the code, the text "How it works:" is followed by a bulleted list: 

- The function `check_even_odd` checks the remainder of dividing the number by 2 using the modulus operator `%`.
- If the remainder is 0, the number is even; otherwise, it is odd.

 At the bottom of the chat area are icons for voice input, copy, thumbs up, thumbs down, and a refresh button.

		images, code), real-time information
Accuracy	Trained on data up to 2021; more recent info with plugins	Real-time data from the web, providing more up-to-date answers
Use Cases	Text creation (poetry, code, emails), productivity tasks	Problem-solving, image recognition, code analysis, research
Developer	OpenAI	Google

### Summary:

- **ChatGPT:**
  - Better for creativity, productivity tasks like writing, summarization
  - Limited by outdated data without plugins
- **Gemini AI:**
  - Better at answering factual queries and solving technical problems
  - Less effective for creative tasks like storytelling

**For the coding Gemini AI is better for use and if you need an definition for the coding ChatGPT is more effective .**

**For the creative task ChatGPT is more effective than the Gemini AI.**