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

**AIM:**

To compare the performance, user experience, and response quality of different AI -platforms (ChatGPT, Claude, Bard, Cohere Command, and Meta) within a specific use case, such as summarizing text or answering technical questions**.**

**PROCEDURE:**

1. Define Use Cases: Select a variety of text samples and technical questions.

2. Create Evaluation Criteria: Establish criteria for assessing accuracy, relevance, completeness, coherence, fluency, speed, and user experience.

3. Conduct Experiments: Input prompts into each AI platform, record responses, and evaluate them against the criteria.

4. Data Analysis and Reporting: Analyse the collected data, identify trends, and prepare a comprehensive report.

**EXAMPLE:**

|  |  |  |
| --- | --- | --- |
| **PROMPT** | **CHATGPT** | **BLACK BOX** |
| write a python program for turning ON LED using Arduino. | int ledPin = 13; // Pin where the LED is connected  void setup() {  pinMode(ledPin, OUTPUT); // Set the pin as output  Serial.begin(9600); // Begin serial communication at 9600 baud rate  }  void loop() {  if (Serial.available() > 0) {  char command = Serial.read(); // Read the command from the serial port  if (command == '1') {  digitalWrite(ledPin, HIGH); // Turn LED on  } else if (command == '0') {  digitalWrite(ledPin, LOW); // Turn LED off  }  }  } | const int ledPin = 13; // LED connected to digital pin 13  void setup() {  pinMode(ledPin, OUTPUT);  Serial.begin(9600);  }  void loop() {  if (Serial.available() > 0) {  char command = Serial.read();  if (command == '1') {  digitalWrite(ledPin, HIGH);  } else if (command == '0') {  digitalWrite(ledPin, LOW);  }  }  delay(100);  } |

**CONCLUSION:**

From the above given codes, the black box code is more accurate than ChatGPT. Hence, Blackbox.ai is better AI than ChatGPT.