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Roll No :10

Practical no.07

**Title :** Create a program so that when the user enters 'b' the green light blinks, 'g' the green light is illuminated 'y' the yellow light is illuminated and 'r' the red light is illuminated

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**Program:**

```
int mychar = 0;

void setup() {
  Serial.begin(9600);
  pinMode(11, OUTPUT); // e.g., Red
  LED pinMode(6, OUTPUT); // e.g.,
  Yellow LED pinMode(2, OUTPUT); //
  e.g., Green LED
}
void loop() {
  if (Serial.available() > 0) {
    mychar = Serial.read(); // Read the incoming byte

    Serial.print("I received: ");
    Serial.println((char)mychar); // Print the received character

    if (mychar == 'r') { //
      Red    digitalWrite(11,
        HIGH); digitalWrite(6,
        LOW)
```

```
digitalWrite(2, LOW);
}
else if (mychar == 'y') { // Yellow
    digitalWrite(11, LOW);
    digitalWrite(6, HIGH);
    digitalWrite(2, LOW);
}
else if (mychar == 'g') { // Green
    digitalWrite(11, LOW);
    digitalWrite(6, LOW);
    digitalWrite(2, HIGH);
}
else if (mychar == 'b') { // Blink
    digitalWrite(11, LOW);
    digitalWrite(6, LOW);
    digitalWrite(2, HIGH);
    delay(1000);
    digitalWrite(2, LOW);
    delay(1000);
}
}
}
```

OUTPUT :

