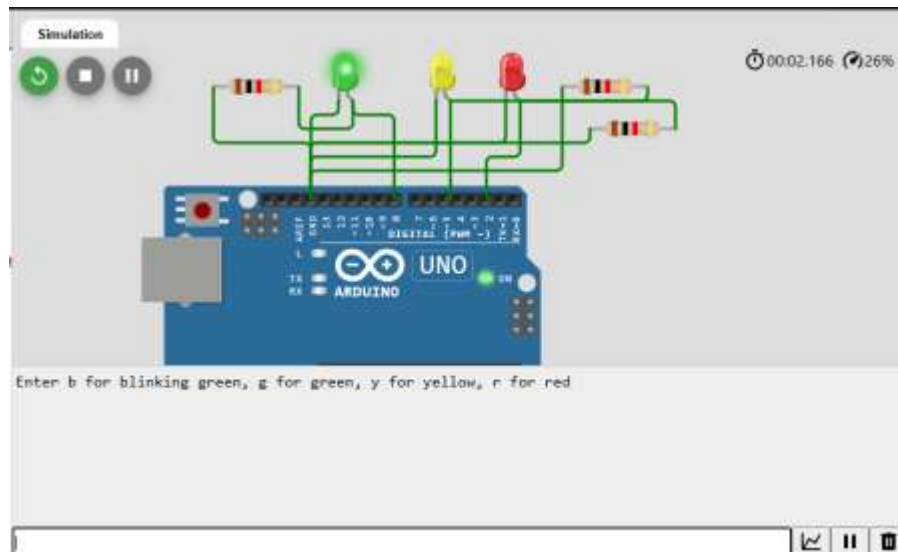


// Name:Srushti Mahadik B-35

```
const int greenPin = 8;
const int yellowPin = 5;
const int redPin = 2;
void setup() {
  pinMode(greenPin, OUTPUT);
  pinMode(yellowPin, OUTPUT);
  pinMode(redPin, OUTPUT);
  Serial.begin(9600);
  Serial.println("Enter b for blinking green, g for green, y for yellow, r for red");
}
void loop() {
  if (Serial.available() > 0) {
    char command = Serial.read();
    switch (command) {
      case 'b':
        blinkGreen();
        break;
      case 'g':
        green();
        break;
      case 'y':
        yellow();
        break;
      case 'r':
        red();
        break;
      case 'q':
        return;
      default:
        Serial.println("Invalid input, please enter the valid input.");
    }
  }
}
void blinkGreen() {
  digitalWrite(greenPin, HIGH);
  delay(500);
  digitalWrite(greenPin, LOW);
  delay(500);
}
void green() {
```

```
digitalWrite(greenPin, HIGH);  
digitalWrite(yellowPin, LOW);  
digitalWrite(redPin, LOW);  
}  
void yellow() {  
digitalWrite(greenPin, LOW);  
digitalWrite(yellowPin, HIGH);  
digitalWrite(redPin, LOW);  
}  
void red() {  
digitalWrite(greenPin, LOW);  
digitalWrite(yellowPin, LOW);  
digitalWrite(redPin, HIGH);  
}
```

OUTPUT:-



Simulation

00:04.666 30%

Enter b for blinking green, g for green, y for yellow, r for red
Invalid input, please enter the valid input.
Invalid input, please enter the valid input.

Simulation controls: Run, Stop, Pause

Simulation

00:09.633 38%

Enter b for blinking green, g for green, y for yellow, r for red
Invalid input, please enter the valid input.
Invalid input, please enter the valid input.
Invalid input, please enter the valid input.

Simulation controls: Run, Stop, Pause

Simulation

00:02.166 27%

Enter b for blinking green, g for green, y for yellow, r for red

Simulation controls: Run, Stop, Pause