

## **Experiment No. 5**

```
const int greenLED = 13;
const int yellowLED = 8;
const int redLED = 5;
void setup() {
  pinMode(greenLED, OUTPUT);
  pinMode(yellowLED, OUTPUT);
  pinMode(redLED, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  if (Serial.available())
  { char command = Serial.read(); if (command == 'b')
  { for (int i = 0; i < 5; i++)
  { digitalWrite(greenLED, HIGH); delay(500);
  digitalWrite(greenLED, LOW); delay(500);
  } }
  else if (command == 'g')
  { digitalWrite(greenLED, HIGH); digitalWrite(yellowLED, LOW);
  digitalWrite(redLED, LOW);
  }
  else if (command == 'y')
  { digitalWrite(greenLED, LOW); digitalWrite(yellowLED, HIGH);
  digitalWrite(redLED, LOW);
  }
  else if (command == 'r')
  { digitalWrite(greenLED, LOW); digitalWrite(yellowLED, LOW); digitalWrite(redLED,
  HIGH);
  }
  }
}
```

Blink

