

```
/*
```

```
Experiment No. :    08
```

```
Statement      :    Turn ON/OFF five LEDs individually via serial  
monitor window.
```

```
Date of Exp.   :    xx/xx/xxxx
```

```
Author         :    Aabha Nimje (A-33)
```

```
*/
```

```
const int ledPin1 = 2;
```

```
const int ledPin2 = 3;
```

```
const int ledPin3 = 4;
```

```
const int ledPin4 = 5;
```

```
const int ledPin5 = 6;
```

```
void setup() {
```

```
    Serial.begin(9600);
```

```
    pinMode(ledPin1, OUTPUT);
```

```
    pinMode(ledPin2, OUTPUT);
```

```
    pinMode(ledPin3, OUTPUT);
```

```
    pinMode(ledPin4, OUTPUT);
```

```
    pinMode(ledPin5, OUTPUT);
```

```
}
```

```
void loop() {  
  
    if (Serial.available() > 0) {  
  
        char command = Serial.read();  
  
        switch (command) {  
  
            case '1':  
  
                digitalWrite(ledPin1, HIGH);  
  
                break;  
  
            case '2':  
  
                digitalWrite(ledPin2, HIGH);  
  
                break;  
  
            case '3':  
  
                digitalWrite(ledPin3, HIGH);  
  
                break;  
  
            case '4':  
  
                digitalWrite(ledPin4, HIGH);  
  
                break;  
  
            case '5':  
  
                digitalWrite(ledPin5, HIGH);  
  
                break;  
  
            case '0':  
  
                digitalWrite(ledPin1, LOW);  
  
                digitalWrite(ledPin2, LOW);  
  
                digitalWrite(ledPin3, LOW);  
  
            }  
        }  
    }  
}
```

```
        digitalWrite(ledPin4, LOW);  
        digitalWrite(ledPin5, LOW);  
        break;  
default:  
        break;  
    }  
}  
}
```

