

/*

Experiment No. : 08

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

Date of Exp. : / /

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*/

```
void setup() {  
    // Set all the pins to OUTPUT mode  
    pinMode(2, OUTPUT);  
    pinMode(3, OUTPUT);  
    pinMode(4, OUTPUT);  
    pinMode(5, OUTPUT);  
    pinMode(6, OUTPUT);  
  
    // Initialize serial communication with a baud rate of 9600  
    Serial.begin(9600);  
}  
  
void loop() {  
    // Check if there is data available to be read from the serial  
    port  
    if (Serial.available() > 0) {  
        // Read a single character from the serial port  
        char key = Serial.read();  
  
        // Switch statement to perform actions based on the character  
        received  
        switch (key) {  
            case '1':  
                // If '1' is received, set pin 2 to HIGH  
                digitalWrite(2, HIGH);  
                break;  
            case '2':  
                // If '2' is received, set pin 3 to HIGH
```

```
        digitalWrite(3, HIGH);
        break;
    case '3':
        // If '3' is received, set pin 4 to HIGH
        digitalWrite(4, HIGH);
        break;
    case '4':
        // If '4' is received, set pin 5 to HIGH
        digitalWrite(5, HIGH);
        break;
    case '5':
        // If '5' is received, set pin 6 to HIGH
        digitalWrite(6, HIGH);
        break;
    }
}
}
```

