```
/*

Experiment No. :  08

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

Date of Exp.   :  xx/xx/xxxx

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*/

Code:
```

//Define an array to store the pin numbers for LEDs

//const int ledPins[] = (2,3, 4, 5, 6);

void setup(){

for (int i = 2; i <= 6; i++) { // Loop through pins 2 to 6 and
set them as OUTPUT

pinMode(i, OUTPUT);

}

Serial.begin(9600); // Initialize serial communication at a baud
rate of 9600

}

void loop(){

if(Serial.available()>0){   // Check if there's data available
in the serial buffer

char key=Serial.read();   // Read a character from the serial
buffer

if(key=='0')   // Check the received character and
control corresponding LEDs

```
digitalWrite(2,HIGH);

else if(key=='1')

digitalWrite(2,LOW);

else if(key=='2')

digitalWrite(3,HIGH);

else if(key=='3')

digitalWrite(3,LOW);

else if(key=='4')

digitalWrite(4,HIGH);

else if(key=='5')

digitalWrite(4,LOW);

else if(key=='6')

digitalWrite(5,HIGH);

else if(key=='7')

digitalWrite(5,LOW);

else if(key=='8')

digitalWrite(6,HIGH);

else if(key=='9')

digitalWrite(6,LOW);

}

}
```