

Experiment No. : 08

Statement :

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

Date of Exp. : xx/xx/xxxx

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```
int led1= 1;
```

```
int led2= 2;
```

```
int led3= 3;
```

```
int led4= 4;
```

```
int led5= 5;
```

```
void setup()
```

```
{
```

```
    pinMode(LED_BUILTIN, OUTPUT);
```

```
    pinMode(led1, OUTPUT);
```

```
    pinMode(led2, OUTPUT);
```

```
    pinMode(led3, OUTPUT);
```

```
    pinMode(led4, OUTPUT);
```

```
    pinMode(led5, OUTPUT);
```

```

    Serial.begin(9600);

    Serial.println("ABCDEF");
}

void loop()
{

    if(Serial.available()>0){
    int ch=Serial.read();

        Serial.println(ch);
    switch(ch){

        case 'A':

            digitalWrite(led1,HIGH);

            break;

        case 'a':

            digitalWrite(led1,LOW);

            break;

        case 'B':

            digitalWrite(led2,HIGH);

            break;

        case 'b':

            digitalWrite(led2,LOW);

            break;

```

```
case 'C':  
    digitalWrite(led3,HIGH);  
    break;  
case 'c':  
    digitalWrite(led3,LOW);  
    break;  
case 'D':  
    digitalWrite(led4,HIGH);  
    break;  
case 'd':  
    digitalWrite(led4,LOW);  
    break;  
case 'E':  
    digitalWrite(led5,HIGH);  
    break;  
case 'e':  
    digitalWrite(led5,LOW);  
    break;  
  
}  
  
}  
  
}
```

