

EXPERIMENT NO.-5

BLUETOOTH INTERFACE -SMART PHONE CONTROLLED LIGHT SYSTEM (CODE)

```
char data=0;
```

```
void setup()
```

```
{
```

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

```
pinMode(13,OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
if(Serial.available() > 0)
```

```
{
```

```
data=Serial.read();
```

```
Serial.println(data);
```

```
if(data=='1')
```

```
digitalWrite(13,HIGH);
```

```
else if(data=='0')
```

```
digitalWrite(13,LOW);
```

```
}
```

```
}
```