

Experiment No. : 05

Statement :

Make a street light controller.

Date of Exp. : xx/xx/xxxx

Author : Vidhee Agrawal (A-29)

```
//Automatic Street Light with LDR//
```

```
#define sensorPin A5
```

```
#define lightPin 2
```

```
int sensorValue;
```

```
void setup()
```

```
{
```

```
  pinMode(lightPin, OUTPUT);
```

```
  pinMode(sensorPin, INPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  sensorValue = analogRead(sensorPin);
```

```
  // check if it is dark then switch on the light else let it  
  remain off
```

```
  if (sensorValue < 100)
```

```
    digitalWrite(lightPin, HIGH);
```

```
  else
```

```
    digitalWrite(lightPin, LOW);
```

```
}
```

