

Program title: LDR with vibrator motor

Aim: Design an automated day indicator system (vibrator motor & LDR)

Hardware Requirements: Arduino, Breadboard, connecting wires, resistors, NPN transistors, Vibrator.

```
int motorPin = 3;
int sensorPin = A1;
int threshold = 400;
```

```
void setup()
```

```
{
  pinMode (motorPin, OUTPUT);
  Serial.begin (9600);
}
```

```
void loop()
```

```
{
  int sensorValue = analogRead (sensorPin);
  Serial.println (sensorValue);
  if (sensorValue > threshold)
  {
```

```
    digitalWrite (motorPin, HIGH);
```

```
  }
  else
```

```
  {
    digitalWrite (motorPin, LOW);
  }
}
```