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Program no Week-5(2nd-Question)

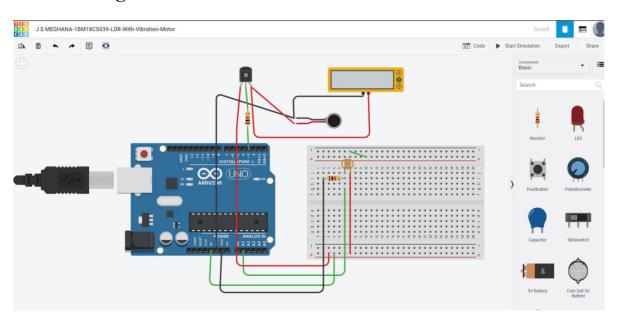
Program Title Automated Day Indicator System

Aim: Design an automated day indicator system (Vibration motor and LDR)

Hardware Required

- 1. Arduino Board
- 2. Bread Board
- 3. Vibration Motor
- 4. Voltage Multimeter
- 5. Photoresistor
- 6. NPN-Transistor
- 7. Resistor

Circuit Diagram



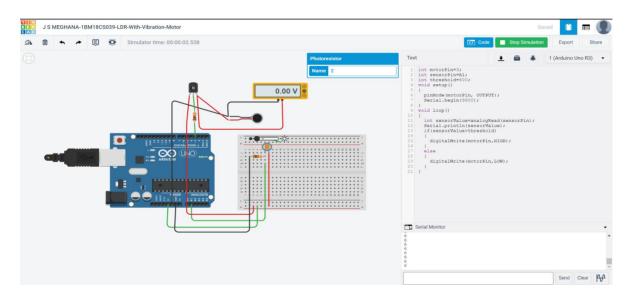
Code:

```
int motorPin=3;
int sensorPin=A1;
int threshold=400;
void setup()
{
   pinMode(motorPin, OUTPUT);
   Serial.begin(9600);
}
void loop()
```

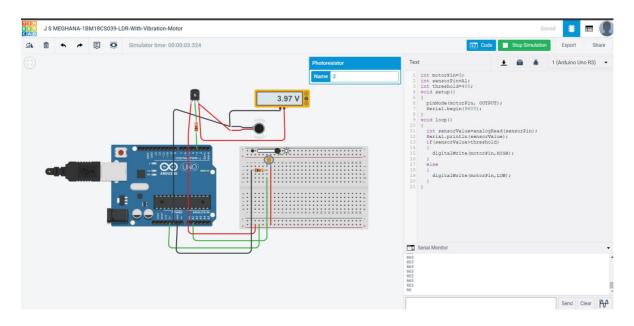
```
{
  int sensorValue=analogRead(sensorPin);
  Serial.println(sensorValue);
  if(sensorValue>threshold)
  {
    digitalWrite(motorPin,HIGH);
  }
  else
  {
    digitalWrite(motorPin,LOW);
  }
```

Observation / Output:

Output-1:



Output-2:



Output-3:

