int relayPin =4;

int sensor\_pin =A0;

int output\_value;

void setup()

{

Serial.begin(9600);

pinMode(relayPin,OUTPUT);

pinMode(sensor\_pin,INPUT);

Serial.println("Reading from sensor...");

delay(2000);

}

void loop()

{

output\_value = analogRead(sensor\_pin);

output\_value = map(output\_value,550,10,0,100);

Serial.print("Moisture:");

Serial.print(output\_value);

Serial.println("%");

if(output\_value<20){

  digitalWrite(relayPin,LOW);

}

else{

  digitalWrite(relayPin,HIGH);

}

delay(1000);

}