SPRINT 1

Team ID	PNT2022TMID20456
Project Name	Smart Farmer-IoT Enabled smartFarming Application

```
#include <Servo.h>

Servo myservo;

int m=0; int n=0; int pos = 0;

void setup()

{

pinMode(A0, INPUT_PULLUP);

pinMode(A1, INPUT_PULLUP);

pinMode(8,OUTPUT);

Serial.begin(9600);

myservo.attach(9);

digitalWrite(8, HIGH);

}

void loop()

{

int m= analogRead(A0);
```

```
int n= analogRead(A1);
Serial.println(m);
delay(10);
Serial.println(n);
delay(200);
if (m>=980)
{
myservo.write(90);
digitalWrite(8, LOW);
delay(1000);
}
else if(m<=970)
{
digitalWrite(8, HIGH);
}
if (n>=980)
{myservo.write(0);
digitalWrite(8, LOW);
delay(1000);
}
else if(n<=970)
{ digitalWrite(8, HIGH);
```

```
}
else{
 digitalWrite(8, HIGH);
}
}
```

Servo Motor

Soil Moisture Sensor 2

Soil Moisture Sensor 1

5V Single Channel Relay

TECHATRONIC.COM

12 Volt DC Pump

12 Volt DC Supply

Arduino UNO