

30-09-2020

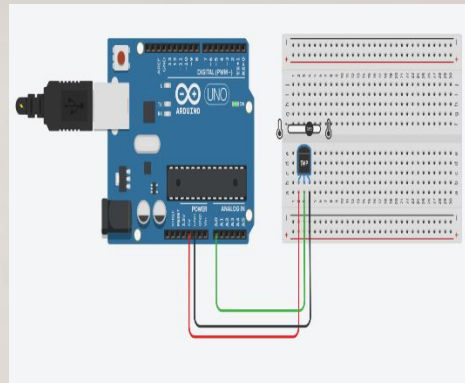
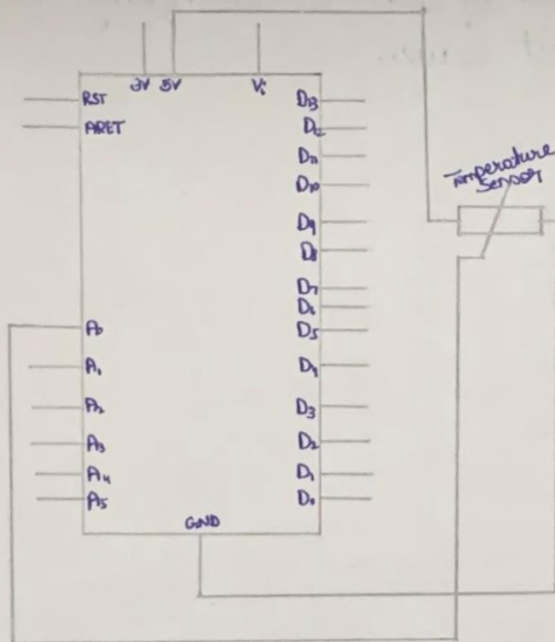
PROGRAM-6

Title : Temperature Sensor.

Aim : To record the temperature using the sensor.

Hardware Required : Arduino Board, Wire, Temperature Sensor.

Circuit Diagram :



Code :-

```
int outputpin = 0;
```

```
void setup()
```

```
{ Serial.begin(9600);
```

```
}
```

```
void loop()
```

```
{ int rawvoltage = analogRead(outputpin);
```

```
float millivolts = (rawvoltage / 1024.0) * 5000;
```

```
float celsius = millivolts / 10;
```

```
Serial.print(celsius);
```

```
Serial.print("Degree Celsius,");
```

```
Serial.print ("Degree Farenheit");  
Serial.print ((celsius * 9) / 5 + 32);  
delay (1000);  
}
```

Observation / Output:

We can see the temperature of the surroundings in celsius scale and farenheit scale.