Program no____5_____

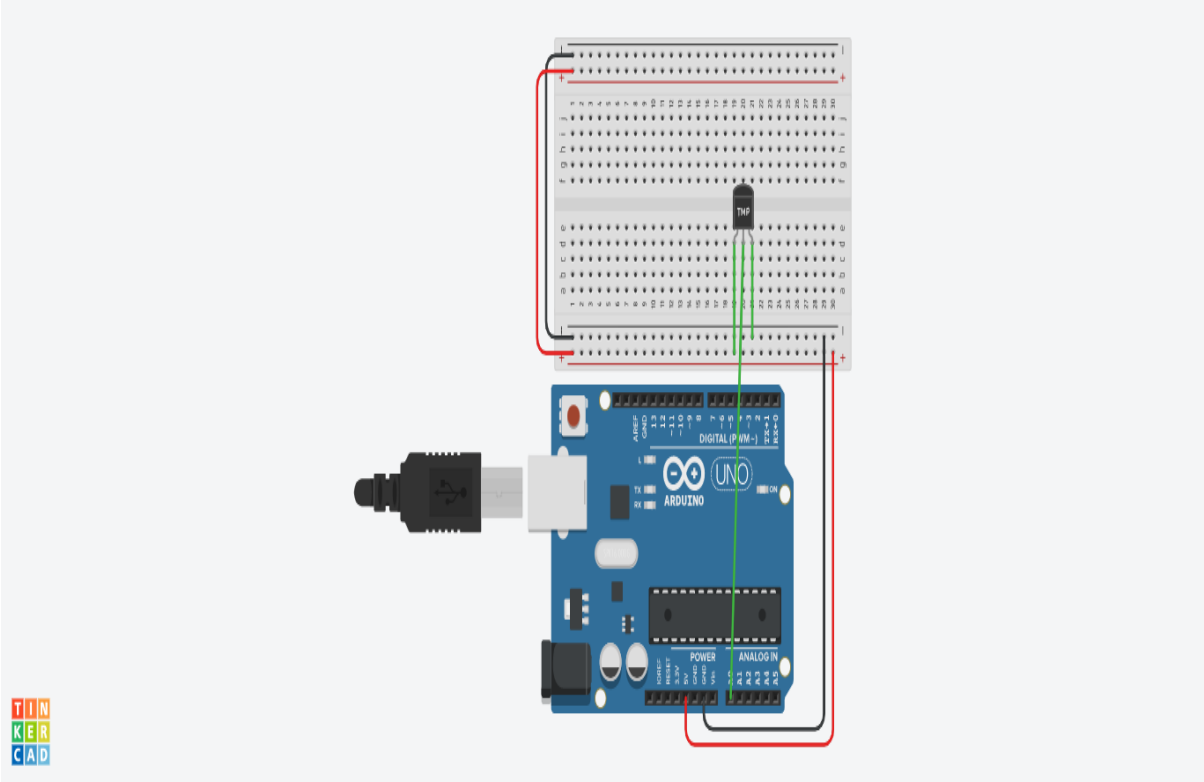
Program Title_____Temperature sensor_____

Aim Converts degree in Celsius to Fahrenheit

Hardware Required

- Arduino Board
  Temperature sensor(TM36)

Circuit Diagram



CODE:

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1BM19CS400

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Program
TEMP

Code:

```
int outputPin = 0;
void setup()
{
  Serial.begin(9600);
}
void loop()
{
  int rawVoltage = analogRead(outputPin);
  float millivolts = (rawVoltage/1240.0) * 5000;
  float Celcius = millivolts/10;
  Serial.Print(Celcius);
  Serial.Print("In celcius");
  Serial.Print((Celcius*9)/5+32);
  Serial.Print("In Fahrenhert");
   delay(1000);
}
```

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Observation /Output

converts degree in Celsius to Fahrenheit