const int sensor=A1; // Assigning analog pin A1 to variable 'sensor'

float tempc; //variable to store temperature in degree Celsius

float tempf; //variable to store temperature in Fahreinheit

float vout; //temporary variable to hold sensor reading

void setup()

{

pinMode(sensor,INPUT); // Configuring pin A1 as input

Serial.begin(9600);

}

void loop()

{

vout=analogRead(sensor);

vout=(vout\*500)/1023;

tempc=vout; // Storing value in Degree Celsius

tempf=(vout\*1.8)+32; // Converting to Fahrenheit

Serial.print("in DegreeC=");

Serial.print("\t");

Serial.print(tempc);

Serial.println();

Serial.print("in Fahrenheit=");

Serial.print("\t");

Serial.print(tempf);

Serial.println();

delay(1000); //Delay of 1 second for ease of viewing

}