

TEAM ID: PNT2022TMID50299

SPRINT 1

NELLAI COLLEGE OF ENGINEERING,MARUTHAKULAM

```
void setup()
{
  pinMode(A1, INPUT);
  Serial.begin(9600);
  pinMode(10, OUTPUT);
  pinMode(5, OUTPUT);
}

void loop()
{
  Temperaturevalue = (-40 + 0.488155 * (analogRead(A1) - 20));
  Serial.println(Temperaturevalue);
  if (Temperaturevalue < 30) {
    digitalWrite(10, HIGH);
    digitalWrite(5, HIGH);
  }
  if (Temperaturevalue >= 45) {
    digitalWrite(10, LOW);
    digitalWrite(5, HIGH);
  }
  delay(10); // Delay a little bit to improve simulation performance
}
```