

```
int celsius = 0;
int fahrenheit = 0;
void setup(){
  pinMode(02, INPUT);
  Serial.begin(9600);
}
void loop()
{
  celsius = map(analogRead(A2), 0, 1023, -40, 125) *0.30517578125 + 40;
  fahrenheit = ((celsius * 9) / 5 + 32);
  Serial.print(celsius);
  Serial.print("C");
  Serial.print(fahrenheit);
  Serial.println("F");
  delay(1000);
}
```

Output

```
61C141F
35C95F
47C116F
66C150F
52C125F
62C143F
38C100F
76C168F
51C123F
32C89F
63C145F
69C156F
70C158F
63C145F
56C132F
62C143F
76C168F
52C125F
73C163F
41C105F
33C91F
60C140F
74C165F
30C86F
64C147F
75C167F
67C152F
28C82F
34C93F
72C161F
44C111F
56C132F
29C84F
72C161F
70C158F
38C100F
37C98F
41C105F
61C141F
46C114F
30C86F
```

