

CSE 466 Midterm #1

Olcay Taner YILDIZ

I. WEATHER APPLICATION

Create an application that converts the temperature given in Celcius to the temperature both in Fahrenheit and Kelvin. Your application should also display a message about the weather according to the temperature. Hints are:

- Celcius is converted to Fahrenheit with the following formula:

$$F = 1.8 * C + 32$$

- Celcius is converted to Kelvin with the following formula:

$$K = C + 273$$

- The user can only enter the temperature in Celcius. He/She can not edit the temperature in Fahrenheit or Kelvin.
- When the user presses the button "Hava Nasıl", the program should display a message in another EditText according to the temperature:
 - If $C > 35$, it should display "Çok sıcak"
 - If $30 < C < 35$, it should display "Sıcak"
 - If $20 < C < 30$, it should display "Güzel"
 - If $15 < C < 20$, it should display "Eh"
 - If $0 < C < 15$, it should display "Soğuk"
 - If $C < 0$, it should display "Çok Soğuk"
- All strings should be declared in the strings.xml and used in the program.
- All variable names should be meaningful.