NORTH WESTERN UNIVERSITY KHULNA

Course Title: Object Oriented Programming

Seasonal

Course Code: CSE-2102

Report name: *Temperature Converter*

Submitted By

MD. MEHEDEE Hasan

ID: *20221048010*

Dipu Bairagi

ID: *20221074010*

Inun Rashid Akash

ID: *20211039010*

Section: *B* ***Session:*** *Spring-23* ***Dept.*** *of* ***CSE****, NWU*

Submitted To

Name: *Md. Shymon Islam*

Lecturer

Dprt. *of* ***CSE***

North Western University, Khulna.

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Introduction

A temperature converter helps convert the temperature between Fahrenheit and Celsius scale. Temperature is measured using a thermometer. While Kelvin (K) is the SI unit of temperature, people generally use Centigrade or Celsius (°C) and Fahrenheit (°F) to measure temperature. The temperature converter formula is used to convert Celsius to Fahrenheit.

Units of Temperature :

Different units can be used to record the temperature. The three different units used for measuring temperature are Celsius (°C) Fahrenheit (°F), and Kelvin (K). Kelvin is the SI unit of measuring temperature, whereas Fahrenheit and Celsius are commonly used scales.

Celsius :

Celsius scale was Invented in 1742 by Swedish astronomer Anders Celsius and hence named after him. Celsius, also called centigrade, is based on the freezing point of water which is 0°, and the boiling point of water which is 100° The temperature in celsius is represented with °C. Normal human body temperature is 37°C.

Fahrenheit :

The Fahrenheit scale is a temperature scale developed by Daniel Gabriel Fahrenheit and hence named after him. This scale has the boiling point of water at 212° F and the freezing point at 32° F. The temperature in Fahrenheit is represented with °F. The normal human body temperature is 98.6°F.

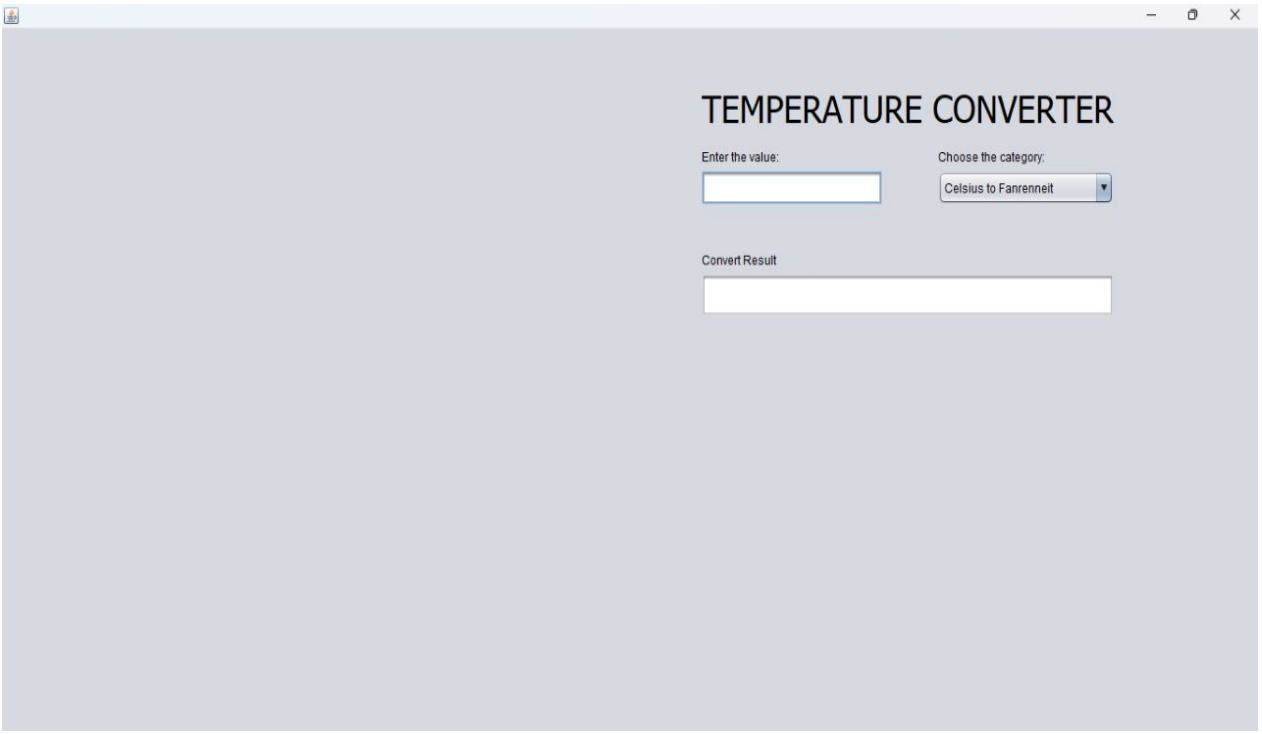
Kelvin :

Kelvin is the SI unit of temperature. The unit symbol is K. It is named after the physicist William Thomson, 1st Baron Kelvin (1824–1907). Here the degree symbol ° is not used to represent the temperature, unlike in Celsius or Fahrenheit.

Description

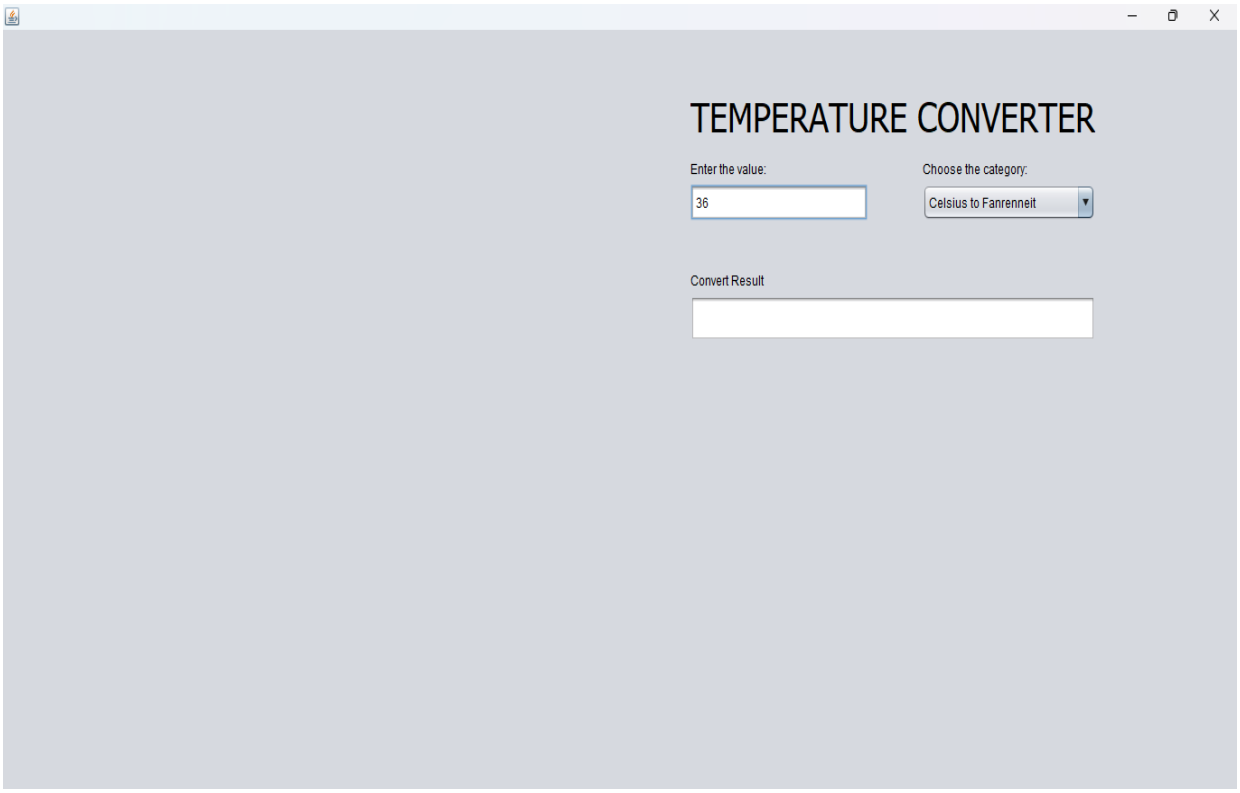
1. User Interface:

Here you need to enter the value in the Enter the value box,you need to enter the value which you want to convert,if you want to convert Celcius to Fahrenheit then you need to enter the value of Celcius



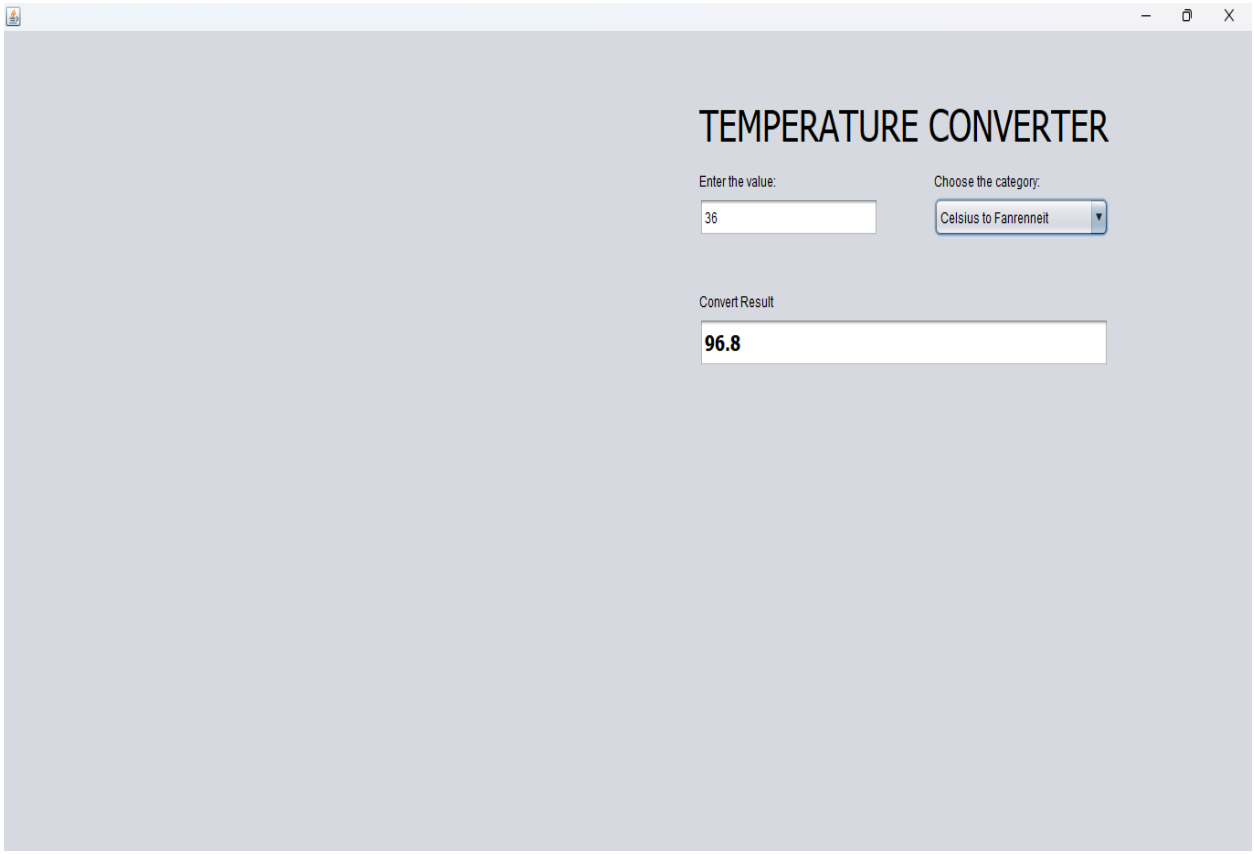
2. User Input:

You need to slect which conversation you want from Choose the catagory box.Here you have option to slect all the possible conversation between Celcius,Fahrenheit and Kelvin



3. User Output:

The convert result will be shown in Convert result box



Dependencies

NetBeans IDE 8.2: NetBeans IDE lets you quickly and easily develop Java desktop. For built this project we use Java language and Java Built in Packages. After Install all packages the project will run successfully.

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Bangladesh