

```
C:\Users\Axcle\Desktop\CASE STUDY IN C\TEMPERATURE CONVERTER.exe
You have 2 trials left
ENTER USERNAME: helloworld
ENTER PASSWORD: *****
Either username or password is incorrect
```

```
C:\Users\Axcle\Desktop\CASE STUDY IN C\TEMPERATURE CONVERTER.exe
!PASSWORD LENGTH IS 10 CHARACTERS ONLY
ENTER USERNAME: fdfdfdsfdsf
ENTER PASSWORD: *****
Either username or password is incorrect
```

```
C:\Users\Axcle\Desktop\CASE STUDY IN C\TEMPERATURE CONVERTER.exe
You have 1 trials left
ENTER USERNAME: programmernaako
ENTER PASSWORD: *****
Either username or password is incorrect
```

```
C:\Users\Axcle\Desktop\CASE STUDY IN C\TEMPERATURE CONVERTER.exe
You have 0 trials left
You've reached the maximum number of attempts.

-----
Process exited after 65.61 seconds with return value 0
Press any key to continue . . .
```

```
ENTER USERNAME: yestouno
ENTER PASSWORD: *****
USERNAME AND PASSWORD ARE CORRECT
```

```

*****
*                                     *
*          WELCOME TEMPERATURE CONVERTER          *
*                                     *
*          FROM          *          TO          *          FORMULAE          *
*                                     *
*          Celsius      *          Fahrenheit      *          F = [C*1.8] + 32          *
*                                     *          Kelvin      *          K = C + 273.15          *
*                                     *          Rankine      *          Ra = [C*1.8]+ 32 + 459.67          *
*                                     *          Reaumur      *          Re = C * 0.8          *
*                                     *
*          Fahrenheit    *          Celsius      *          C = [F-32] / 1.8          *
*                                     *          Kelvin      *          K = [F+459.67] / 1.8          *
*                                     *          Rankine      *          Ra = F + 459.67          *
*                                     *          Reaumur      *          Re = [F-32] / 2.25          *
*                                     *
*          Kelvin        *          Celsius      *          C = K - 273.15          *
*                                     *          Fahrenheit    *          F = [K*1.8] - 459.67          *
*                                     *          Rankine      *          Ra = K * 1.8          *
*                                     *          Reaumur      *          Re = [K-273.15] * 0.8          *
*                                     *
*          Rankine       *          Celsius      *          C = [Ra-32-459.67] / 1.8          *
*                                     *          Fahrenheit    *          F = Ra - 459.67          *
*                                     *          Kelvin      *          K = Ra / 1.8          *
*                                     *          Reaumur      *          Re = [Ra-32-459.67] / 2.25          *
*                                     *
*          Reaumur       *          Celsius      *          C = Re * 1.25          *
*                                     *          Fahrenheit    *          F = [Re*2.25] + 32          *
*                                     *          Kelvin      *          K = [Re*1.25]+ 273.15          *
*                                     *          Rankine      *          Ra = [Re*2.25]+ 32 + 459.67          *
*                                     *
*          TEMPERATURE CONVERTER          *
*          9/5 = 1.8      9/4 = 2.25      10/8 = 1.25          *
*****

```

PRESS ANY KEY TO CONTINUE...

```

* Choose the digit below of the unit you want to convert: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Celsius: 1 *
*****
* Select the digit below of the unit of conversion: 1 *
* [1] Fahrenheit *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* 1.00 C is equal to 33.80 F *
*****
* DID YOU KNOW? CELSIUS... *
* Having a scale for measuring temperature on which the boiling point of *
* water is at 100 degrees and the freezing point of water is at 0 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Celsius: 11.09 *
*****
* Select the digit below of the unit of conversion: 2 *
* [1] Fahrenheit *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* 11.09 C is equal to 284.24 K *
*****
* DID YOU KNOW? CELSIUS... *
* Having a scale for measuring temperature on which the boiling point of *
* water is at 100 degrees and the freezing point of water is at 0 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Celsius: 98 *
*****
* Select the digit below of the unit of conversion: 3 *
* [1] Fahrenheit *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* 98.00 C is equal to 668.07 Ra *
*****
* DID YOU KNOW? CELSIUS... *
* Having a scale for measuring temperature on which the boiling point of *
* water is at 100 degrees and the freezing point of water is at 0 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Celsius: 87 *
*****
* Select the digit below of the unit of conversion: 4 *
* [1] Fahrenheit *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* 87.00 C is equal to 69.60 Re *
*****
* DID YOU KNOW? CELSIUS... *
* Having a scale for measuring temperature on which the boiling point of *
* water is at 100 degrees and the freezing point of water is at 0 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Celsius: 1 *
*****
* Select the digit below of the unit of conversion: 9 *
* [1] Fahrenheit *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* Your choice is not in the ranged of 1-4 *
*****
* *
* *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 2 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Fahrenheit: 98 *
*****
* Select the digit below of the unit of conversion: 1 *
* [1] Celsius *
* [2] Kelvin *
* [3] Rankine *
* [4] Reaumur *
*****
* 98.00 F is equal to 36.67 C *
*****
* DID YOU KNOW? FAHRENHEIT... *
* Having a scale for measuring temperature on which the boiling point of *
* water is at 212 degrees above zero and the freezing point is at 32 degrees *
* above zero. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 2
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Fahrenheit: 58.56
*****
* Select the digit below of the unit of conversion: 2
* [1] Celsius
* [2] Kelvin
* [3] Rankine
* [4] Reaumur
*****
* 58.56 F is equal to 287.91 K
*****
* DID YOU KNOW? FAHRENHEIT...
* Having a scale for measuring temperature on which the boiling point of
* water is at 212 degrees above zero and the freezing point is at 32 degrees
* above zero.
*
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 2
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Fahrenheit: 84.253
*****
* Select the digit below of the unit of conversion: 3
* [1] Celsius
* [2] Kelvin
* [3] Rankine
* [4] Reaumur
*****
* 84.25 F is equal to 543.92 Ra
*****
* DID YOU KNOW? FAHRENHEIT...
* Having a scale for measuring temperature on which the boiling point of
* water is at 212 degrees above zero and the freezing point is at 32 degrees
* above zero.
*
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 2
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Fahrenheit: 53.215
*****
* Select the digit below of the unit of conversion: 4
* [1] Celsius
* [2] Kelvin
* [3] Rankine
* [4] Reaumur
*****
* 53.22 F is equal to 9.43 Re
*****
* DID YOU KNOW? FAHRENHEIT...
* Having a scale for measuring temperature on which the boiling point of
* water is at 212 degrees above zero and the freezing point is at 32 degrees
* above zero.
*
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 2
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Fahrenheit: 856.2
*****
* Select the digit below of the unit of conversion: 12
* [1] Celsius
* [2] Kelvin
* [3] Rankine
* [4] Reaumur
*****
* Your choice is not in the ranged of 1-4
*****
*****
*****
*****
*****
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 3
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Kelvin: 54
*****
* Select the digit below of the unit of conversion: 1
* [1] Celsius
* [2] Fahrenheit
* [3] Rankine
* [4] Reaumur
*****
* 54.00 K is equal to -219.15 c
*****
* DID YOU KNOW? KELVIN...
* The base unit of temperature in the International System of Units that is
* equal to 1/273.16 of the Kelvin scale temperature of the triple point of
* water.
*
*****
PRESS ANY KEY TO CONTINUE...

```

```

* Choose the digit below of the unit you want to convert: 3
* [1] Celsius
* [2] Fahrenheit
* [3] Kelvin
* [4] Rankine
* [5] Reaumur
* [6] Exit
*****
* Enter the amount of Kelvin: 52.96
*****
* Select the digit below of the unit of conversion: 2
* [1] Celsius
* [2] Fahrenheit
* [3] Rankine
* [4] Reaumur
*****
* 52.96 K is equal to -364.34 F
*****
* DID YOU KNOW? KELVIN...
* The base unit of temperature in the International System of Units that is
* equal to 1/273.16 of the Kelvin scale temperature of the triple point of
* water.
*
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Kelvin: 66.485 *
*****
* Select the digit below of the unit of conversion: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Rankine *
* [4] Reaumur *
*****
* 66.49 K is equal to 119.67 Ra *
*****
* DID YOU KNOW? KELVIN... *
* The base unit of temperature in the International System of Units that is *
* equal to 1/273.16 of the Kelvin scale temperature of the triple point of *
* water. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Kelvin: 20.659 *
*****
* Select the digit below of the unit of conversion: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Rankine *
* [4] Reaumur *
*****
* 20.66 K is equal to -201.99 Re *
*****
* DID YOU KNOW? KELVIN... *
* The base unit of temperature in the International System of Units that is *
* equal to 1/273.16 of the Kelvin scale temperature of the triple point of *
* water. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Kelvin: 589.2 *
*****
* Select the digit below of the unit of conversion: 30 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Rankine *
* [4] Reaumur *
*****
* Your choice is not in the ranged of 1-4 *
*****
* *
* *
* *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Rankine: 52.1 *
*****
* Select the digit below of the unit of conversion: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Reaumur *
*****
* 52.10 Ra is equal to -244.21 C *
*****
* DID YOU KNOW? RANKINE... *
* Relating to an absolute-temperature scale on which the unit of *
* measurement equals a Fahrenheit degree and on which the freezing point of *
* water is 491.67 degrees and the boiling point 671.67 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Rankine: 845.2 *
*****
* Select the digit below of the unit of conversion: 2 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Reaumur *
*****
* 845.20 Ra is equal to 385.53 F *
*****
* DID YOU KNOW? RANKINE... *
* Relating to an absolute-temperature scale on which the unit of *
* measurement equals a Fahrenheit degree and on which the freezing point of *
* water is 491.67 degrees and the boiling point 671.67 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Rankine: 556.29 *
*****
* Select the digit below of the unit of conversion: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Reaumur *
*****
* 556.29 Ra is equal to 309.05 K *
*****
* DID YOU KNOW? RANKINE... *
* Relating to an absolute-temperature scale on which the unit of *
* measurement equals a Fahrenheit degree and on which the freezing point of *
* water is 491.67 degrees and the boiling point 671.67 degrees. *
* *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Rankine: 856.2 *
*****
* Select the digit below of the unit of conversion: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Reaumur *
*****
* 856.20 Ra is equal to 162.01 Re *
*****
* DID YOU KNOW? RANKINE... *
* Relating to an absolute-temperature scale on which the unit of *
* measurement equals a Fahrenheit degree and on which the freezing point of *
* water is 491.67 degrees and the boiling point 671.67 degrees. *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Rankine: 78.2 *
*****
* Select the digit below of the unit of conversion: -4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Reaumur *
*****
* Your choice is not in the ranged of 1-4 *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 5 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Reaumur: 693.2 *
*****
* Select the digit below of the unit of conversion: 1 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
*****
* 693.20 Re = 866.50 C *
*****
* DID YOU KNOW? REAUMUR... *
* Relating to a thermometric scale on which the boiling point of water is at *
* 80 degrees above the zero of the scale and the freezing point is at zero. *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 5 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Reaumur: 745.48 *
*****
* Select the digit below of the unit of conversion: 2 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
*****
* 745.48 Re = 1709.33 F *
*****
* DID YOU KNOW? REAUMUR... *
* Relating to a thermometric scale on which the boiling point of water is at *
* 80 degrees above the zero of the scale and the freezing point is at zero. *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 5 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Reaumur: 99.45 *
*****
* Select the digit below of the unit of conversion: 3 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
*****
* 99.45 Re = 397.46 K *
*****
* DID YOU KNOW? REAUMUR... *
* Relating to a thermometric scale on which the boiling point of water is at *
* 80 degrees above the zero of the scale and the freezing point is at zero. *
* *
*****
PRESS ANY KEY TO CONTINUE...

```

```

*****
* Choose the digit below of the unit you want to convert: 5 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
* [5] Reaumur *
* [6] Exit *
*****
* Enter the amount of Reaumur: 741.95 *
*****
* Select the digit below of the unit of conversion: 4 *
* [1] Celsius *
* [2] Fahrenheit *
* [3] Kelvin *
* [4] Rankine *
*****
* 741.95 Re = 2161.06 Ra *
*****
* DID YOU KNOW? REAUMUR... *
* Relating to a thermometric scale on which the boiling point of water is at *
* 80 degrees above the zero of the scale and the freezing point is at zero. *
* *
*****
PRESS ANY KEY TO CONTINUE...

```


