Temperature Convertor - Image Documentation

Fig. 1:

```
Select new menu item"
            > 1 : Run program
            > 2 : About
            > 3 : Quit
> 1
Enter the temperature model you would like to convert from ("C or F"): C
Enter the temperature you would like to convert: 0
32.0 in Fahrenheit
Press any key to continue:
```

Fig 1 displays a basic interaction with the program where the user inputs Celsius as the starting model and 0 degrees as the starting temperature. Then the program converts that to 32degrees in Fahrenheit

Fig 2:

```
Press any key to continue:
Select new menu item"
            > 1 : Run program
            > 2 : About
            > 3 : Quit
> 1
Enter the temperature model you would like to convert from ("C or F"): Kelvin
Sorry, KELVIN is not supported at this time or does not exist, please enter either Fahreheit (F) or Celsius (C)
Enter the temperature model you would like to convert from ("C or F"): c
Enter the temperature you would like to convert: 100
212.0 in Fahrenheit
Press any key to continue:
```

Figure 2 displays the error handling of the program. Here the user tried to convert from Kelvin but was told that Kelvin was not supported by the program at this time, at which point the user entered 100 degrees in Celsius for a result of 212 degrees in Fahrenheit

Fig 3:

```
**********
Welcome to the temperature conversion Calulator!
    enter one of the following numbers to proceed:
    > 1 : Run program
    > 2 : About
    > 3 : Quit
> 1

Enter the temperature model you would like to convert from ("C or F"): C
Enter the temperature you would like to convert: 93487
168308.6 in Fahrenheit
Press any key to continue:
Select new menu item"
            > 1 : Run program
            > 2 : About
            > 3 : Quit
> 3


Process finished with exit code 0
```

In Figure 3 the user initialized the program, entered 93,487 degrees in Celsius, was given 168,308.6 degrees in Fahrenheit as a result and quit the program.

Fig 4:

```
**********
Welcome to the temperature conversion Calulator!
    enter one of the following numbers to proceed:
    > 1 : Run program
    > 2 : About
    > 3 : Quit
>  2


Author: Charli Shaneck
Program: Fahrenheit Celsius Convertor
Version:
    0.1 Pre Release Alpha
        Changelog:
        - Added Program Functionality, Celsius to Fahrenheit conversion

    1.0 Full Release Version
        Changelog:
        - Full documentation overhaul
        - Added docstrings for function
        - Added Input Sanitizer for temp model
        - Added Fahrenheit to Celsius conversion

    1 1 Final Version
```

```
Menu()
    Runs the main menu directory interface


    intakes a string input from the user
    runs one of three actions based on that input:
        1 - runs main program with run()
        2 - prints documentation
        3 - quits program


Run()
    Main program runner
    intakes two user inputs and passes them through the convertor module
    prints results to console


Press any key to continue:
```

In this figure the user ran the About menu item and was displayed a full about this program line and documentation. Note: This section is quite large and was not able to fit on one screenshot, and so the middle was cut for brevity

Fig 5:

```
**********
Welcome to the temperature conversion Calulator!
    enter one of the following numbers to proceed:
    > 1 : Run program
    > 2 : About
    > 3 : Quit
> 1
Enter the temperature model you would like to convert from ("C or F"): F
Enter the temperature you would like to convert: greeble
greeble is not a valid input, please enter a new temperature:
Enter the temperature you would like to convert: 32
0.0 in Celsius
Press any key to continue:
```

In this figure the user tried to enter the word "greeble" as a temperature. As this is not a number, the program informed the user this was incorrect syntax and invited them to try again