CSE 8A Programming Assignment 1

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Code:

```
#The user would enter the temperature for Celsius
temperature = input("Enter a number for Celsius:")

#This line represents the function
def convert(num):
#This number will be inputted by the user
        Celsius = float(num)
#This is the conversion of Celsius to Kelvin
        Kelvin = Celsius + 273
#This will return the value of Kelvin back to the function
        return Kelvin

#This will print the line "The Kelvin is" and then the temperature in Kelvin
print("The Kelvin is", convert(temperature))
```

Tests:
Include the complete interaction with your program for three different runs.

```
================== RESTART: C:\Users\traip\Desktop\PA 1.py ==================
Enter a number for Celsius: 250
The Kelvin is 523.0
>>>
================== RESTART: C:\Users\traip\Desktop\PA 1.py ==================
Enter a number for Celsius:57.83
The Kelvin is 330.83
>>>
================== RESTART: C:\Users\traip\Desktop\PA 1.py ==================
Enter a number for Celsius: -89
The Kelvin is 184.0
>>>
```

After your three tests cases as shown, justify why these three test cases were chosen and why

I chose the number 250 for the test because it's to test how the program would run with an integer. I chose 57.83 for my next test because I was trying to make sure that the program could run a decimal. I chose -89 for my last test in order to see if my program could run with a negative number as the input.

Known Bugs or Issues:
If you have any known bugs or issues with your code, let us know here. If you think it works correctly, justify why.

The code works correctly because the user is able to put in their own input. The program would automatically calculate the temperature in kelvin, using the user's input of celsius.