

Unit Converter

Code:

```
choice = int(input("Enter 1 to covert CELSIUS to FAHRENHEIT\n"
" 2 to convert FAHRENHEIT to CELSIUS\n"
"Enter the value :"))
temp=0
try:
    if choice==2 :
        temp = float(input("Enter temperature in Fahrenheit :"))
    elif choice==1 :
        temp = float(input("Enter temperature in Celsius :"))
    else :
        print("Please check the number you enterd. Since the number should only be 1/2")
except:
    print ('      Non numeric data found. Check that the data is entered is a Numeric Value.\n      Since the
unsupported units are identified, the output temperature will be for 0 units of the input temperature')

def to_fahrenheit() :
    fahrenheit = (temp*1.8)+32
    print("Temperature in fahrenheit =",fahrenheit,"°F")

def to_celsius() :
    celsius = (temp - 32) * .5556
    print("Temperature in celsius =",celsius,"°c")

def convert():
    if choice==1:
        to_fahrenheit()
    elif choice==2 :
        to_celsius()

convert()
```

Output:

The output will be as per the units selected by the user. If the user enters an inappropriate input for the temperature, the output will be for Zero (0) units. Here are the snapshots of the outputs generated with **different inputs** by running the above code **4 times**.

```
Enter 1 to covert CELSIUS to FAHRENHEIT
    2 to convert FAHRENHEIT to CELSIUS
Enter the value :1
Enter temperature in Celsius :36.8
Temperature in fahrenheit = 98.24 °F
```

O/P₁

O/P₂

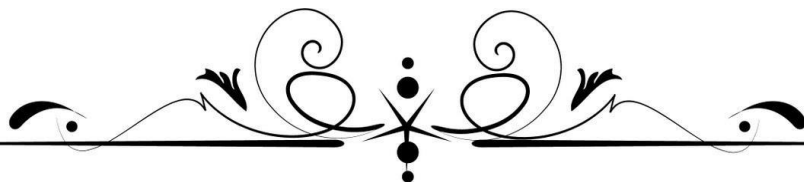
```
Enter 1 to covert CELSIUS to FAHRENHEIT
    2 to convert FAHRENHEIT to CELSIUS
Enter the value :2
Enter temperature in Fahrenheit :98.4
Temperature in celsius = 36.89184 °c
```

```
Enter 1 to covert CELSIUS to FAHRENHEIT
    2 to convert FAHRENHEIT to CELSIUS
Enter the value :2
Enter temperature in Fahrenheit :sdfgh
Non numeric data found. Check that the data is entered is a Numeric Value.
    Since the unsupported units are identified, the output temperature will be
        for 0 units of the input temperature
Temperature in celsius = -17.7792 °c
```

O/P₃

O/P₄

```
Enter 1 to covert CELSIUS to FAHRENHEIT
    2 to convert FAHRENHEIT to CELSIUS
Enter the value :1
Enter temperature in Celsius :asd
Non numeric data found. Check that the data is entered is a Numeric Value.
    Since the unsupported units are identified, the output temperature will be
        for 0 units of the input temperature
Temperature in fahrenheit = 32.0 °F
```



The End