S.No: 20	Exp. Name: *Write a Python program to convert temperatures to and from Celsius, Fahrenheit.*	Date:2024-05-04

Aim:

Write a Python program to convert temperatures to and from Celsius, Fahrenheit.

Source Code:

temperature.py

```python
a=input("Enter the temperature in celsius or fahrenheit: ")
b=int(a[:-1])
c=a[-1]
if(c=="C" or c=="c"):
    result=int(round((9*b)/5+32))
    d="Fahrenheit"
elif (c=="F" or c=="f"):
    result=int(round((b-32)*5/9))
    d="Celsius"
else:
    print("Enter the proper convention")
    quit()
print("The temperature in",d,"is",result,"degrees")
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the temperature in celsius or fahrenheit: 215c
The temperature in Fahrenheit is 419 degrees

Test Case - 2
User Output
Enter the temperature in celsius or fahrenheit: 105F
The temperature in Celsius is 41 degrees