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```
#Temperature Converter
print (" 1: Celsius To Fahrenheit, Reamur, and Kelvin") #change Celsius to F,R,K
print (" 3: Fahrenheit To Celsius, Reamur, and Kelvin") #change Fahrenheit to C,R,K
print (" 5: Reamur To Celsius, Fahrenheit, and Kelvin") #change Reamur to C,F,K
print (" 7: Kelvin To Celsius, Fahrenheit, and Reamur") #change Kelvin to C,F,R
def option (): #define function so we can choose to print 1,3,5,or 7
    op = int(input(" Enter Option : "))
    if op == 1: #print 1 if you want to change temperature from Celsius to others
        cfrk()
    elif op == 3: #print 3 if you want to change temperature from Fahrenheit to others
        fcrk ()
    elif op == 5: #print 5 if you want to change temperature from Reamur to others
        rcfk ()
    elif op == 7: #print 7 if you want to change temperature from Kelvin to others
        kcfr ()
    else : #Will be an invalid input if you print another number (beside 1,3,5,7)
        print ("invalid input...")
        option ()

def cfrk (): #define function so we can change Celsius to others
    c = float(input(" Enter Celsius (Degree) : "))
    f = ((9 / 5) * c) + 32
    r = (4 / 5) * c
    k = c + 273
    print (" Temperature : ",c," Degree Celsius & ",f," Degree Fahrenheit & ",r,"
Degree Reamur & ",k," Kelvin") #to Show the result in F,R,K

def fcrk (): #define function so we can change Fahrenheit to others
```

```
    f = float(input("Enter Fahrenheit (Degree) : "))
    c =( 5 / 9 ) * (f-32)
    r = (4 / 9) * (f-32)
    k = ((f * 5 )/9 )+ 273
    print (" Temperature : ",f," Degree Fahrenheit & ",c," Degree Celsius & ",r," Degree Reamur & ",k," Kelvin") #to Show the result in C,R,K

def rcfk (): #define function so we can change Reamur to others
    r = float(input("Enter Reamur (Degree) : "))
    c =( 5 /4 )* r
    f =(( 9 /4) * r ) + 32
    k = ( (r * 5) /4 ) + 273
    print (" Temperature : ",r," Degree Reamur & ",c," Degree Celsius & ",f," Degree Fahrenheit & ",k," Kelvin") #to Show the result in C,F,K

def kcfr (): #define function so we can change Kelvin to others
    k = float(input("Enter Kelvin: "))
    c = k - 273
    f =(( 9 / 5 )* ( k - 273 )) + 32
    r =(( 4 / 5) * ( k - 273 ))
    print (" Temperature : ",k," Kelvin & ",c," Degree Celsius & ",f," Degree Fahrenheit & ",r," Degree Reamur") #to show the result in C,F,R

option()
```

Logic:

This program is used to convert temperature (Celsius, Fahrenheit, Reamur, Kelvin).

```
#Temperature Converter
print (" 1: Celsius To Fahrenheit, Reamur, and Kelvin") #change Celsius to F,R,K
print (" 3: Fahrenheit To Celsius, Reamur, and Kelvin") #change Fahrenheit to C,R,K
print (" 5: Reamur To Celsius, Fahrenheit, and Kelvin") #change Reamur to C,F,K
print (" 7: Kelvin To Celsius, Fahrenheit, and Reamur") #change Kelvin to C,F,R
def option (): #define function so we can choose to print 1,3,5,or 7
    op = int(input(" Enter Option : "))
    if op == 1: #print 1 if you want to change temperature from Celsius to others
        cfrk()
    elif op == 3: #print 3 if you want to change temperature from Fahrenheit to others
        fcrk ()
    elif op == 5: #print 5 if you want to change temperature from Reamur to others
        rcfk ()
    elif op == 7: #print 7 if you want to change temperature from Kelvin to others
        kcfr ()
    else : #Will be an invalid input if you print another number (beside 1,3,5,7)
        print ("invalid input...")
        option ()

def cfrk (): #define function so we can change Celsius to others
    c = float(input(" Enter Celsius (Degree) : "))
    f = ((9 / 5) * c) + 32
    r = (4 / 5) * c
    k = c + 273
    print (" Temperature : ",c," Degree Celsius & ",f," Degree Fahrenheit & ",r," Degree Reamur & ",k," Kelvin") #to Show the re

def fcrk (): #define function so we can change Fahrenheit to others
    f = float(input("Enter Fahrenheit (Degree) : "))
    c =( 5 / 9 ) * (f-32)
    r = (4 / 9) * (f-32)
    k = ((f * 5 )/9 )+ 273
    print (" Temperature : ",f," Degree Fahrenheit & ",c," Degree Celsius & ",r," Degree Reamur & ",k," Kelvin") #to Show the re

def rcfk (): #define function so we can change Reamur to others
    r = float(input("Enter Reamur (Degree) : "))
    c =( 5 /4 )* r
    f =(( 9 /4) * r ) + 32
```

```
def kcfr (): #define function so we can change Kelvin to others
    k = float(input("Enter Kelvin: "))
    c = k - 273
    f =(( 9 / 5 )* ( k - 273 )) + 32
    r =(( 4 / 5) * ( k - 273 ))
    print (" Temperature : ",k," Kelvin & ",c," Degree Celsius & ",f," Degree Fahrenheit & ",r," Degree Reamur") #to show the re
option()
```

```
 1: Celsius To Fahrenheit, Reamur, and Kelvin
 3: Fahrenheit To Celsius, Reamur, and Kelvin
 5: Reamur To Celsius, Fahrenheit, and Kelvin
 7: Kelvin To Celsius, Fahrenheit, and Reamur

 Enter Option :
```

If you enter an option with command number one (1) and enter Degrees in Celcius, you can convert Celsius Degree to Fahrenheit, Reamur, and Kelvin :

```
 1: Celsius To Fahrenheit, Reamur, and Kelvin
 3: Fahrenheit To Celsius, Reamur, and Kelvin
 5: Reamur To Celsius, Fahrenheit, and Kelvin
 7: Kelvin To Celsius, Fahrenheit, and Reamur
 Enter Option :  1
 Enter Celsius (Degree) : 50
 Temperature :  50.0  Degree Celsius &  122.0  Degree Fahrenheit &  40.0  Degree Reamur &  323.0  Kelvin
```

If you enter an option with command number (3) and enter Degrees in Fahrenheit, you can convert Fahrenheit Degree to Celsius, Reamur, and Kelvin :

```
 1: Celsius To Fahrenheit, Reamur, and Kelvin
 3: Fahrenheit To Celsius, Reamur, and Kelvin
 5: Reamur To Celsius, Fahrenheit, and Kelvin
 7: Kelvin To Celsius, Fahrenheit, and Reamur
 Enter Option : 3
Enter Fahrenheit (Degree) : 82
 Temperature :  82.0  Degree Fahrenheit &  27.77777777777778  Degree Celsius &  22.22222222222222  Degree Reamur &  318.5555555
5555554  Kelvin
```

If you enter an option with command number (5) and enter Degrees in Reamur, you can convert Reamur Degree to Celsius, Fahrenheit, and Kelvin :

```
 1: Celsius To Fahrenheit, Reamur, and Kelvin
 3: Fahrenheit To Celsius, Reamur, and Kelvin
 5: Reamur To Celsius, Fahrenheit, and Kelvin
 7: Kelvin To Celsius, Fahrenheit, and Reamur
 Enter Option : 5
Enter Reamur (Degree) : 40
 Temperature :  40.0  Degree Reamur &  50.0  Degree Celsius &  122.0  Degree Fahrenheit &  323.0  Kelvin
```

If you enter an option with command number (7) and enter Degrees in Kelvin, you can convert Kelvin to Celsius, Fahrenheit, and Kelvin :

```
 1: Celsius To Fahrenheit, Reamur, and Kelvin
 3: Fahrenheit To Celsius, Reamur, and Kelvin
 5: Reamur To Celsius, Fahrenheit, and Kelvin
 7: Kelvin To Celsius, Fahrenheit, and Reamur
 Enter Option : 7
Enter Kelvin: 373
 Temperature :  373.0  Kelvin &  100.0  Degree Celsius &  212.0  Degree Fahrenheit &  80.0  Degree Reamur
```