



# Project

## PROGRAM:

```
#xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxx
#starting statement:-
print ("Welcome to Converter")
print ("Choose any one option.")
a=input ("Press 'Y' to Start or 'N' to Stop program:-
" )
if a=="y" or a=="Y":
    print("""1.Temperature
2.Time """)
    d=int(input("Type your desired option to
Convert:- "))
    if d==1:
        f=int(input("""Enter the desired option from
the following to Convert:-
1. Celsius to Kelvin
2. Kelvin to Celsius
3. Celsius to Fahrenheit
4. Farenhite to Celsius
Type your desired option:- """))
#xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxx
#1
    if f==1:
        def kill():
            o=a+273
            return o
        a = int(input("Enter temperature in
Celsius:- "))
        e=kill()
        print("Your answer is",e,"K")

        g=int(input("""Do you want Result in:-
1.Text file
2.Binary file
3.or Exit
```

```

Choose the desired option:- """))
    if g==1:
        file=open("Temperature.txt","w")
        file.write(str(a)+"C in Kelvin is
"+str(e)+"k")
        file.close()
        print("""Value uploaded in
"Temperature.txt" file successfully.""")
    elif g==2:
        import pickle
        file=open("Tbinary.dat","wb")
        k=e,"Kelvin"
        pickle.dump(k,file)
        file.close()
        print("""Value uploaded in
"Tbinary.dat" text file successfully.
Do you want the Result of Binary file
1)Y
2)N""")
        l=input("Enter the desired
option:- ")
        if l=="y" or l=="Y":
            import pickle
            file=open("Tbinary.dat","rb")
            str=pickle.load(file)
            print(str)
            file.close()
        elif l=="n" or l=="N":
            print("Thank You!")
        else:
            print("Invalid key pressed")
    elif g==3:
        print("Thank You!!")
    else:
        print("Invalid Key pressed.")

#2
elif f==2:
    def kill():
        q=e-273
        return q

```

```

        e=int(input("Enter temperature in
Kelvin:- "))
        s=kill()
        print("Your answer is",s,"C")
        g = int(input("""Do you want Result in:-
1.Text file
2.Binary file
3.or Exit
Choose the desired option:- """))
        if g == 1:
            file = open("Temperature.txt", "w")
            file.write(str(e) + "K in Celsius is
" + str(s) + "C")
            file.close()
            print("""Value uploaded in
"Temperature.txt" file successfully.""")
        elif g == 2:
            import pickle

            file = open("Tbinary.dat", "wb")
            k = s, "Celsius"
            pickle.dump(k, file)
            file.close()
            print("""Value uploaded in
"Tbinary.dat" text file successfully.
Do you want the Result of Binary file
1)Y
2)N""")

            l = input("Enter the desired option:-
")

            if l == "y" or l == "Y":
                import pickle

                file = open("Tbinary.dat", "rb")
                str = pickle.load(file)
                print(str)
                file.close()
            elif l == "n" or l == "N":
                print("Thank You!")
            else:
                print("Invalid key pressed")
        elif g == 3:

```

```

        print("Thank You!!")
    else:
        print("Invalid Key pressed.")

#3
    elif f==3:
        def kill():
            t=(9/5*c)+32
            return t
        c=float(input("Enter the temperature in
Celsius:- "))
        k=kill()
        print("Your answer is",k,"F")
        g = int(input("""Do you want Result in:-
1.Text file
2.Binary file
3.or Exit
Choose the desired option:- """))
        if g == 1:
            file = open("Temperature.txt", "w")
            file.write(str(c) + "C in Farenhite
is " + str(k) + "F")
            file.close()
            print("""Value uploaded in
"Temperature.txt" file successfully.""")
        elif g == 2:
            import pickle

            file = open("Tbinary.dat", "wb")
            q = k, "Farenhite"
            pickle.dump(q, file)
            file.close()
            print("""Value uploaded in
"Tbinary.dat" text file successfully.
Do you want the Result of Binary file
1)Y
2)N""")

            l = input("Enter the desired option:-
")

            if l == "y" or l == "Y":
                import pickle

```

```

        file = open("Tbinary.dat", "rb")
        str = pickle.load(file)
        print(str)
        file.close()
    elif l == "n" or l == "N":
        print("Thank You!")
    else:
        print("Invalid key pressed")
elif g == 3:
    print("Thank You!!")
else:
    print("Invalid Key pressed.")

#4
    elif f==4:
        def kill():
            o=(5/9*a)-32
            return o
        a=int(input("Enter the temperature in
Fahrenheit:- "))
        r=kill()
        print("Your answer is",r,"C")
        g = int(input("Do you want Result in:-
1.Text file
2.Binary file
3.or Exit
Choose the desired option:- """))
        if g == 1:
            file = open("Temperature.txt", "w")
            file.write(str(a) + "C in Kelvin is "
+ str(r) + "k")
            file.close()
            print("Value uploaded in
"Temperature.txt" file successfully.")
        elif g == 2:
            import pickle
            file = open("Tbinary.dat", "wb")
            q = r, "Celsius"
            pickle.dump(q, file)
            file.close()
            print("Value uploaded in
"Tbinary.dat" text file successfully.

```

```

Do you want the Result of Binary file
1)Y
2)N"")
        l = input("Enter the desired option:-
"
)
        if l == "y" or l == "Y":
            import pickle

            file = open("Tbinary.dat",
"rb")
            str = pickle.load(file)
            print(str)
            file.close()
        elif l == "n" or l == "N":
            print("Thank You!")
        else:
            print("Invalid key pressed")
elif g == 3:
    print("Thank You!!")
else:
    print("Invalid Key pressed.")

else:
    print("Invalid key pressed")

# 1.Temperature to convert:- END

#xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxx
# 2.Time to convert:- START

    elif d==2:
        print("Choose any one option:- ")
        print("""1.Hour to Seconds
2.Minutes to Seconds
3.Seconds to Hour
4.Minutes to Hour
5.Hour to Minutes """)
        z=int(input("Choose your desired option from
the above following to convert:- "))

```

#1

```

    if z==1:
        def gta():
            d=s*3600
            return d
        s=int(input("Enter the time in Hour:- "))
        w=gta()
        print("Your answer is",w,"Seconds")
        g=(input("""Do you want Result in Text

```

file

Choose the desired option in "Y" for Yes and "N" for NO:- """))

```

        if g=="Y" or g=="y":
            file = open("Time.txt", "w")
            file.write(str(s) + "Hour in Seconds
is " + str(w) + "S")
            file.close()
            print("""Value uploaded in "Time.txt"
file successfully.""")
            elif g=="N" or g=="n":
                print("Thank You!!")
            else:
                print("Invalid key pressed")

```

#2

```

    elif z==2:
        def gta():
            s=d*60
            return s
        d=int(input("Enter the Time in Minutes:-
"
)
)
        l=gta()
        print("Your answers is",l,"Seconds")
        g = (input("""Do you want Result in Text

```

file

Choose the desired option in "Y" for Yes and "N" for NO:- """))

```

        if g == "Y" or g == "y":
            file = open("Time.txt", "w")
            file.write(str(d) + "Minutes in
Seconds is " + str(l) + "S")

```



```
file.close()
```

```

        print("""Value uploaded in "Time.txt"
file successfully.""")
    elif g == "N" or g == "n":
        print("Thank You!!")
    else:
        print("Invalid key pressed")

```

#3

```

    elif z==3:
        def gta():
            s=d/3600
            return s
        d = int(input("Enter the Time in
Seconds:- "))
        y=gta()
        print("Your answer is",y,"Hours")

```

```

        g = (input("""Do you want Result in Text
file
Choose the desired option in "Y" for Yes and "N" for
NO:- """))

```

```

        if g == "Y" or g == "y":
            file = open("Time.txt", "w")
            file.write(str(d) + "Seconds in Hours
is " + str(y) + "hrs")
            file.close()
            print("""Value uploaded in "Time.txt"
file successfully.""")
        elif g == "N" or g == "n":
            print("Thank You!!")
        else:
            print("Invalid key pressed")

```

#4

```

    elif z==4:
        def gta():
            s=int(input("Enter the Time in
Minutes:- "))
            f=s/60
            return f
        s = int(input("Enter the Time in
Minutes:- "))

```

```

        h=gta()
        print("Your answer is",h,"Hour")
        g = (input("""Do you want Result in Text
file

Choose the desired option in "Y" for Yes and "N" for
NO:- """))
        if g == "Y" or g == "y":
            file = open("Time.txt", "w")
            file.write(str(s) + "Minutes in Hours
is " + str(h) + "hrs")
            file.close()
            print("""Value uploaded in "Time.txt"
file successfully.""")
        elif g == "N" or g == "n":
            print("Thank You!!")
        else:
            print("Invalid key pressed")

```

#5

```

        elif z==5:
            def gta():
                d=s*60
                return d
            s=int(input("Enter the Time in Hour:- "))
            j=gta()
            print("Your answer is",j,"Minutes")
            g = (input("""Do you want Result in Text
file

Choose the desired option in "Y" for Yes and "N" for
NO:- """))
            if g == "Y" or g == "y":
                file = open("Time.txt", "w")
                file.write(str(s) + "Hour in Minutes
is " + str(j) + "min")
                file.close()
                print("""Value uploaded in "Time.txt"
file successfully.""")
            elif g == "N" or g == "n":
                print("Thank You!!")
            else:
                print("Invalid key pressed")

```

```

        else:
            print("Invalid key pressed")
# 2.Time to convert:- END
#xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxx
# Ending Statements
elif a=="n" or a=="N":
    print("""Have a nice day!!!
Goodbye!!!""")
else:
    print("Invalid key pressed")
#xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxx

```

#### OUTPUT:-

1) Welcome to Converter  
Choose any one option.

```
Press 'Y' to Start or 'N' to Stop program:- y
1.Temperature
2.Time
Type your desired option to Convert:- 1
Enter the desired option from the following to
Convert:-
1.Celsius to Kelvin
2.Kelvin to Celsius
3.Celsius to Fahrenheit
4.Farenhite to Celsius
Type your desired option:- 1
Enter temperature in Celsius:- 230
Your answer is 503 K
Do you want Result in:-
1.Text file
2.Binary file
3.or Exit
```

Choose the desired option:- 1  
Value uploaded in "Temperature.txt" file  
successfully.

2) Welcome to Converter  
Choose any one option.  
Press 'Y' to Start or 'N' to Stop program:- y  
1. Temperature  
2. Time  
Type your desired option to Convert:- 1  
Enter the desired option from the following to  
Convert:-  
1. Celsius to Kelvin  
2. Kelvin to Celsius  
3. Celsius to Farenhite  
4. Farenhite to Celsius  
Type your desired option:- 2  
Enter temperature in Kelvin:- 322  
Your answer is 49 C  
Do you want Result in:-  
1. Text file  
2. Binary file  
3. or Exit  
Choose the desired option:- 2  
Value uploaded in "Tbinary.dat" text file  
successfully.  
Do you want the Result of Binary file  
1) Y  
2) N  
Enter the desired option:- y  
(49, 'Celsius')

3) Welcome to Converter  
Choose any one option.  
Press 'Y' to Start or 'N' to Stop program:- y  
1. Temperature  
2. Time  
Type your desired option to Convert:- 1  
Enter the desired option from the following to  
Convert:-  
1. Celsius to Kelvin  
2. Kelvin to Celsius

3.Celsius to Farenhite  
4.Farenhite to Celsius  
Type your desired option:- 4  
Enter the temperature in Fahrenheit: - 321  
Your answer is 146.33333333333334 C  
Do you want Result in:-  
1.Text file  
2.Binary file  
3.or Exit  
Choose the desired option:- 3  
Thank You!!

3) Welcome to Converter  
Choose any one option.  
Press 'Y' to Start or 'N' to Stop program:- y  
1. Temperature  
2. Time  
Type your desired option to Convert:- 2  
Choose any one option:-  
1. Hour to Seconds  
2. Minutes to Seconds  
3. Seconds to Hour  
4. Minutes to Hour  
5. Hour to Minutes  
Choose your desired option from the above following  
to convert:- 1  
Enter the time in Hour: - 3  
Your answer is 10800 Seconds  
Do you want Result in Text File?  
Choose the desired option in "Y" for Yes and "N" for  
NO:- y  
Value uploaded in "Time.txt" file successfully.

4)Welcome to Converter  
Choose any one option.  
Press 'Y' to Start or 'N' to Stop program:- y  
1.Temperature  
2.Time  
Type your desired option to Convert:- 2  
Choose any one option:-  
1.Hour to Seconds  
2.Minutes to Seconds

3.Seconds to Hour

4.Minutes to Hour

5.Hour to Minutes

Choose your desired option from the above following to convert:- 2

Enter the Time in Minutes:- 122

Your answers is 7320 Seconds

Do you want Result in Text File?

Choose the desired option in "Y" for Yes and "N" for NO:- n

Thank You!!

5) Welcome to Converter

Choose any one option.

Press 'Y' to Start or 'N' to Stop program:- y

1. Temperature

2. Time

Type your desired option to Convert:- 2 Choose any one option:-

1. Hour to Seconds

2. Minutes to Seconds

3. Seconds to Hour

4. Minutes to Hour

5. Hour to Minutes

Choose your desired option from the above following to convert:- 4

Enter the Time in Minutes:- 5533

Your answer is 0.38333333333333336 Hour

Do you want Result in Text file

Choose the desired option in "Y" for Yes and "N" for NO:- y

Value uploaded in "Time.txt" file successfully.

6) Welcome to Converter

Choose any one option.

Press 'Y' to Start or 'N' to Stop program:-

qwuehuhu21

Invalid key pressed