***PYTHON PROJECT***

***CONVERTER AND CALCULATOR***

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**ROLL NO : 40 GROUP : 2**

restart=("R")

name=input("enter your name:")

while restart not in('n','no','N','NO'):

print("Hi",name,"PLEASE SELECT YOUR CONVERTER OR CALCULATOR:")

print(" Length converter ENTER '1' ")

print(" Age calculator ENTER '2' ")

print(" Currency converter ENTER'3' ")

print(" Temperature converter ENTER '4' ")

print(" Time converter ENTER '5' ")

number=int(input("ENTER:"))

if number==5:

print("IF YOU WANT TO CONVERT:")

print(" HOURS TO MINUTES:", " Enter 'a'")

print(" HOURS TO SECONDS: ", " Enter 'b'")

K = input("Enter 'a' or 'b' :")

if K == "a" or K == "b":

TIME = int(input("Enter value in HOURS(like 12,15,etc..):"))

if K != ("a" and "b"):

print("CHOOSE THE RIGHT OPTION")

if K == "a":

print(TIME \* 60, "minutes")

if K == "b":

print(TIME \* 60 \* 60, "seconds")

restart = input("would you like to go back?")

if restart in ('n','no','N','NO'):

print("Thank You!")

break

elif H!=("a" or "b"):

print("CHOOSE THE CORRECT OPTION")

restart = ("R")

elif number==4:

print("IF YOU WANT TO CONVERT:")

print(" Celsius(C) to Fahrenheit(F) ", " Enter 'a'")

print(" Fahrenheit(F) to Celsius(C) ", " Enter 'b'")

J = input("Enter 'a' or 'b' :")

if J == "a":

Temp = int(input("Enter value in Celsius:"))

print("The value of", z, " Celsius in Fahrenheit is")

print(((Temp \* 1.8) + 32))

if J == "b":

Temp = int(input("Enter value in Fahrenheit:"))

print("The value of", z, " Fahrenheit in Celsius is")

print(((Temp - 32) \* (5 / 9)))

restart = input("would you like to go back?")

if restart in ('n','no','N','NO'):

print("Thank You!")

break

elif J!=("a" and "b"):

print("CHOOSE THE CORRECT OPTION")

restart = ("R")

elif number==3:

print("SELECT THE CURRENCY TO WHICH YOU WANT TO CONVERT ")

print("ruppes to dollar", "enter", "DOLLAR")

print("ruppes to euro", "enter", "EURO")

print("ruppes to dinar", "enter", "DINAR")

print("ruppes to yan", "enter", "YAN")

print("ruppes to pounds", "enter", "POUNDS")

S= input('enter:')

if S == "DOLLAR" or S == "EURO" or S == "DINAR" or S == "YAN" or S == "POUNDS":

AMNT = int(input("enter value in rupees:"))

if S == "DOLLAR":

print(AMNT / 80)

if S == "EURO":

print(AMNT / 22)

if S == "DINAR":

print(AMNT / 12)

if S == "YAN":

print(AMNT / 104)

if S =="POUNDS":

print(AMNT / 86)

restart = input("would you like to go back?")

if restart in ('n','no','N','NO'):

print("Thank You!")

break

elif S!= ("DOLLAR" and "EURO" and "DINAR" and "YAN" and "POUNDS"):

print("CHOOSE THE CORRECT OPTION")

restart = ("R")

elif number==1:

print("IF YOU WANT TO CONVERT:")

print(" KILOMETERS TO MILES ENTER 'MILES'")

print(" MILES TO KILOMETERS ENTER 'KILOMETERS'")

print(" FEETS TO INCHES ENTER 'INCHES'")

print(" INCHES TO FEETS ENTER 'FEETS'")

L=input("ENTER:")

if L=="MILES":

x=int(input("Enter no.of KILOMETERS:"))

print(x\*0.62)

if L=="KILOMETERS":

x=int(input("Enter no.of MILES:"))

print(x/0.62)

if L=="INCHES":

x=int(input("Enter no.of FEETS:"))

print(x\*12)

if L=="FEETS":

x=int(input("Enter no.of INCHES:"))

print(x/12)

restart = input("would you like to go back?")

if restart in ('n','no','N','NO'):

print("Thank You!")

break

elif L!=("MILES"and "KILOMETERS" and "INCHES"and"FEETS"):

print("CHOOSE THE CORRECT OPTION")

restart = ("R")

elif number==2:

x = int(input("Year you born:"))

y = int(input("Month you born(enter month in numbers like jan=1 feb=2):"))

z = int(input("Date you born:"))

v = int(input("Current Year:"))

u = int(input("Current month(enter month in numbers like jan=1 feb=2):"))

w = int(input("Current date:"))

if y > u:

if z == w:

print((v - 1) - x, "years", 12 - (y - u), "months", z - w, "days")

elif z > w:

print((v - 1) - x, "years", 11 - (y - u), "months", 30 - (z - w), "days")

elif z < w:

print((v - 1) - x, "years", 12 - (y - u), "months", (w - z), "days")

elif y == u:

if z == w:

print(v - x, "years", (y - u), "months", z - w, "days")

elif z > w:

print((v - 1) - x, "years", 11 - (y - u), "months", 30 - (z - w), "days")

elif z < w:

print(v - x, "years", (y - u), "months", (w - z), "days")

elif y < u:

if z == w:

print(v - x, "years", (u - y), "months", z - w, "days")

elif z > w:

print(v - x, "years", (u - 1) - y, "months", 30 - (z - w), "days")

elif z < w:

print(v - x, "years", (u - y), "months", (w - z), "days")

restart = input("would you like to go back?")

if restart in ('n','no','N','NO'):

print("Thank You!")

break

else:

print("CHOOSE THE CORRECT OPTION")

restart=("R")

**EXECUTION OF CODE (screen shot)**

