PYTHON PROJECT ON CURRENCY CONVERTER

NAME : HARSH GUPTA
ROLL NO. : 24

```python
inr_usd=0.012422
usd_inr=81.6445
rub_inr=1.3418
inr_rub=0.7522
cad_inr=60.9925
inr_cad=0.0164
cny_inr=11.4676
inr_cny=0.0872
eur_inr=84.298
inr_eur=0.0119
gbp_inr=97.059
inr_gbp=0.0103
print()
print("###### THIS CONVERTER IS ONLY USED TO CONVERT CURRENCY TO INR OR VICE-
VERSA ######")
print()
while True:
    print("PRESS 1 TO START!")
    print("PRESS 2 TO UPDATE CONVERSION RATE!")
    print("PRESS 3 TO EXIT!")
    print()
    choice=input("Enter your choice : ")
    if choice=="1":
        while True:
            print("{:15}  :  {:>4}".format("COUNTRY", "CURRENCY CODE"))
            denotion={"Indian Rupee":"INR",
                      "US Dollars":"USD",
                      "British Pounds":"GBP",
                      "Euros":"EUR",
                      "Canadian Dollar":"CAD",
                      "Chinese Yuan":"CNY",
                      "Russian Ruble":"RUB"}

            for i in denotion:
                print("{:15}  :  {:>4}".format(i,denotion[i]))
            from_unit=input("Enter the currency from which you want to convert: ")
            print()
            for j in denotion:
```

```python
        if from_unit==denotion[j]:
            continue
        else:
            print("{:15}  :  {:>4}".format(j,denotion[j]))
    print()
    to_unit=input("Enter the currency to which you want to convert: ")
    print()
    values=denotion.values()
    if (from_unit and to_unit) in values:
        break
    else:
        print("Invalid Input")
        print()
while True:
    Amount=input("Enter the Amount you want to convert: ")
    if Amount.isdigit():
        Amount=int(Amount)
        break
    else:
        print("Invalid Amount")


if from_unit == "INR" and to_unit == "USD":
    print("Conversion rate is :", inr_usd)
    print()
    print(f'Converted Amount is {Amount*inr_usd}')
elif from_unit == "USD" and to_unit == "INR":
    print("Conversion rate is :", usd_inr)
    print()
    print(f'Converted Amount is {Amount*usd_inr}')
elif from_unit == "RUB" and to_unit == "INR":
    print("Conversion rate is :", rub_inr)
    print()
    print(f'Converted Amount is {Amount*rub_inr}')
elif from_unit == "INR" and to_unit == "RUB":
    print("Conversion rate is :", inr_rub)
    print()
    print(f'Converted Amount is {Amount*inr_rub}')
```

```python
        elif from_unit == "CAD" and to_unit == "INR":
            print("Conversion rate is :", cad_inr)
            print()
            print(f'Converted Amount is {Amount*cad_inr}')
        elif from_unit == "INR" and to_unit == "CAD":
            print("Conversion rate is :", inr_cad)
            print()
            print(f'Converted Amount is {Amount*inr_cad}')
        elif from_unit == "CNY" and to_unit == "INR":
            print("Conversion rate is :", cny_inr)
            print()
            print(f'Converted Amount is {Amount*cny_inr}')
        elif from_unit == "INR" and to_unit == "CNY":
            print("Conversion rate is :", inr_cny)
            print()
            print(f'Converted Amount is {Amount * inr_cny}')
        elif from_unit == "EUR" and to_unit == "INR":
            print("Conversion rate is :", eur_inr)
            print()
            print(f'Converted Amount is {Amount* eur_inr}')
        elif from_unit == "INR" and to_unit == "EUR":
            print("Conversion rate is :", inr_eur)
            print()
            print(f'Converted Amount is {Amount * inr_eur}')
        elif from_unit == "GBP" and to_unit == "INR":
            print("Conversion rate is :", gbp_inr)
            print()
            print(f'Converted Amount is {Amount*gbp_inr }')
        elif from_unit == "INR" and to_unit == "GBP":
            print("Conversion rate is :", inr_gbp)
            print()
            print(f'Converted Amount is {Amount * inr_gbp}')
        else:
            print("INVALID DENOTION","\n")

elif choice=="2":
    print("{:15}  :  {:>4}".format("", "CURRENCY CODE"))
    denotion={"Indian Rupee":"INR",
```

```python
        "US Dollars":"USD",
        "British Pounds":"GBP",
        "Euros":"EUR",
        "Canadian Dollar":"CAD",
        "Chinese Yuan":"CNY",
        "Russian Ruble":"RUB"}
for i in denotion:
    print("{:15}  :  {:>4}".format(i,denotion[i]))
choose1=input("Enter the currency from which you want to convert: ")
print()
for j in denotion:
    if choose1==denotion[j]:
        continue
    else:
        print("{:15}  :  {:>4}".format(j,denotion[j]))
print()
choose2=input("Enter the currency to which you want to convert: ")

if choose1=="INR" and choose2=="USD":
    temp=float(input("Enter updated rate : "))
    inr_usd=temp
elif choose1=="USD" and choose2=="INR":
    temp=float(input("Enter updated rate : "))
    usd_inr=temp
elif choose1=="RUB" and choose2=="INR":
    temp=float(input("Enter updated rate : "))
    rub_inr=temp
elif choose1=="INR" and choose2=="RUB":
    temp=float(input("Enter updated rate : "))
    inr_rub=temp
elif choose1=="INR" and choose2=="CAD":
    temp=float(input("Enter updated rate : "))
    inr_cad=temp
elif choose1=="CAD" and choose2=="INR":
    temp=float(input("Enter updated rate : "))
    cad_inr=temp
elif choose1=="INR" and choose2=="CNY":
    temp=float(input("Enter updated rate : "))
```

```python
            inr_cny=temp
        elif choose1=="CNY" and choose2=="INR":
            temp=float(input("Enter updated rate : "))
            cny_inr=temp
        elif choose1=="INR" and choose2=="EUR":
            temp=float(input("Enter updated rate : "))
            inr_eur=temp
        elif choose1=="EUR" and choose2=="INR":
            temp=float(input("Enter updated rate : "))
            eur_inr=temp
        elif choose1=="INR" and choose2=="GBP":
            temp=float(input("Enter updated rate : "))
            inr_gbp=temp
        elif choose1=="GBP" and choose2=="INR":
            temp=float(input("Enter updated rate : "))
            gbp_1inr=temp


    elif choice=="3":
        print("Exit")
        break
    else:
        print("Invalid Choice")
```

```
 1 C:\Users\Hp\PycharmProjects\pythonProject\venv\
   Scripts\python.exe "C:/Users/Hp/PycharmProjects/
   pythonProject/currency converter.py"
 2
 3 ###### THIS CONVERTER IS ONLY USED TO CONVERT
   CURRENCY TO INR OR VICE-VERSA ######
 4
 5 PRESS 1 TO START!
 6 PRESS 2 TO UPDATE CONVERSION RATE!
 7 PRESS 3 TO EXIT!
 8
 9 Enter your choice : 1
10 COUNTRY             :   CURRENCY CODE
11 Indian Rupee        :    INR
12 US Dollars          :    USD
13 British Pounds      :    GBP
14 Euros               :    EUR
15 Canadian Dollar     :    CAD
16 Chinese Yuan        :    CNY
17 Russian Ruble       :    RUB
18 Enter the currency from which you want to convert:
   INR
19
20 US Dollars          :    USD
21 British Pounds      :    GBP
22 Euros               :    EUR
23 Canadian Dollar     :    CAD
24 Chinese Yuan        :    CNY
25 Russian Ruble       :    RUB
26
27 Enter the currency to which you want to convert: USD
28
29 Enter the Amount you want to convert: 100
30 Conversion rate is : 0.012422
31
32 Converted Amount is 1.2422
33 PRESS 1 TO START!
34 PRESS 2 TO UPDATE CONVERSION RATE!
35 PRESS 3 TO EXIT!
36
37 Enter your choice : 2
```

```
38                     :   CURRENCY CODE
39 Indian Rupee        :   INR
40 US Dollars          :   USD
41 British Pounds      :   GBP
42 Euros               :   EUR
43 Canadian Dollar     :   CAD
44 Chinese Yuan        :   CNY
45 Russian Ruble       :   RUB
46 Enter the currency from which you want to convert:
   INR
47
48 US Dollars          :   USD
49 British Pounds      :   GBP
50 Euros               :   EUR
51 Canadian Dollar     :   CAD
52 Chinese Yuan        :   CNY
53 Russian Ruble       :   RUB
54
55 Enter the currency to which you want to convert: CAD
56 Enter updated rate : 0.016
57 PRESS 1 TO START!
58 PRESS 2 TO UPDATE CONVERSION RATE!
59 PRESS 3 TO EXIT!
60
61 Enter your choice : 1
62 COUNTRY             :   CURRENCY CODE
63 Indian Rupee        :   INR
64 US Dollars          :   USD
65 British Pounds      :   GBP
66 Euros               :   EUR
67 Canadian Dollar     :   CAD
68 Chinese Yuan        :   CNY
69 Russian Ruble       :   RUB
70 Enter the currency from which you want to convert:
   INR
71
72 US Dollars          :   USD
73 British Pounds      :   GBP
74 Euros               :   EUR
75 Canadian Dollar     :   CAD
76 Chinese Yuan        :   CNY
```

```
77 Russian Ruble    :    RUB
78
79 Enter the currency to which you want to convert: CAD
80
81 Enter the Amount you want to convert: 100
82 Conversion rate is : 0.016
83
84 Converted Amount is 1.6
85 PRESS 1 TO START!
86 PRESS 2 TO UPDATE CONVERSION RATE!
87 PRESS 3 TO EXIT!
88
89 Enter your choice : 3
90 Exit
91
92 Process finished with exit code 0
93
```