FULL STACK DEVELOPER

MINI PROJECT IN PYTHON

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PUMO TECHNOVATION INDIA PRIVATE LIMITED

PROJECT TITLE SHEET
CURRENCY CONVERTER IN PYTHON

Project Report Submitted

In partial fulfillment of the requirement for the proficient certificate course

Done By

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Under the guidance of

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ABOUT PUMO TECHNOVATION

- We are the India's Largest Design, Developer and Manufacture of Fracture CON ROD's also Owning Technical Campus Collaborated with world's leading companies like FANUC INDIA, MITSUBISHI CUTTING TOOLS, ACCURATE GAUGES, ADITYA MEASUREMENTS, RENISHAW & MITUTOYA (JAPAN).
- Our total lab setup is focused for engineer's and industries updating requirements. the tech campus is completely accelerating under the guidance of industrial experts having 27+ years' experience and young aspirants, Pumo Technovation is the first tech campus to have all facilities & labs in India to offer training courses and job assurance all under one roof.
- Pumo Technovation Training in IT, Electronics & Electricals creating experts for emerging technology industries and specialist technology jobs.
- A part of CADD Centre, which is Asia's largest CAD/CAM/CAE training institute.

PROJECT OBJECTIVE

A Python currency converter is a program that converts an amount from one currency to another using up-to-date exchange rates. It typically involves fetching live exchange rates from an API, such as Open Exchange Rates or CurrencyLayer. The user inputs the amount and selects the source and target currencies. The program then calculates the equivalent amount in the target currency using the fetched exchange rate. The core components include input handling, API integration, error handling for invalid inputs or API issues, and the final conversion computation. This simple yet practical tool is useful for travelers, businesses, and developers.

HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE :

✓ Device name   : **ASUS**

✓ Processor   :AMD Ryzen 5 5600H with Radeon
                                         Graphics

✓ Installed RAM   : 8.00 GB (7.40 GB usable)

✓ Device ID   :5795131D-6FF7-4593-8E53-
                                         5F093C77C644

✓ Product ID   :00342-42640-84714-AAOEM

✓ System type   : 64-bit operating system, x64-based
                                         processor

✓ Pen and touch   : No pen or touch input is available
                                         for this display

SOFTWARE:

✓PYCHARM
✓PYTHON

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SOURCE CODE:

```python
currency={ "INR":1,"EUR":0.0109,"USD":
0.0119,"SGD":0.0158,"AUD":0.01812,"JPY":1.7463,"CAD":0.01635,"
RUB":1.0536 ,"PKR":3.3192,"NZD":0.01986,"GBP":0.009335}

def currency_converter(fromm,to,amount):
    if fromm in currency or to  in currency:
        india = amount / currency[fromm]
        convert_amount = india * currency[to]
        return (fromm,amount,"CONVERTED TO",to,convert_amount)
    else:
        return "INVALID CURRENCY CODE"
def menu():
    print("")
    print("CURRENCY CONVERT")
    print("1.CONVERT CURRENCY")
    print("2.EXIT")
```

```python
def main():
    while True:
        menu()
        a=int(input("ENTER YOUR CHOICE :"))
        if a==1:
            amount=int(input("ENTER YOUR AMOUNT :"))
            print("INR", "EUR","USD" ,"SGD","AUD", "JPY", "CAD", "RUB",
"PKR", "NZD", "GBP")
            fromm=input("YOUR CURRENCY :").upper()
            to=input("CONVERT CURRENCY :").upper()
            print(currency_converter(fromm,to,amount))
        else:
            break
main()
```

==
COMPLETE THE PROGRAM
==

OUTPUT:

```
CURRENCY CONVERT
1.CONVERT CURRENCY
2.EXIT
ENTER YOUR CHOICE :1
ENTER YOUR AMOUNT :500
INR EUR USD SGD AUD JPY CAD RUB PKR NZD GBP
YOUR CURRENCY :eur
CONVERT CURRENCY :usd
('EUR', 500, 'CONVERTED TO', 'USD', 545.8715596330276)

CURRENCY CONVERT
1.CONVERT CURRENCY
2.EXIT
ENTER YOUR CHOICE :
```