

# **FULL STACK DEVELOPER**

## **MINI PROJECT IN PYTHON**

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**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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## **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 supermarket billing system in Python is a program that automates the process of calculating the total cost of items purchased by a customer. The system typically allows users to input items, their quantities, and prices. It then calculates the subtotal, applies any discounts or taxes, and generates the final bill. The system may also include features like itemized receipts, barcode scanning, inventory management, and payment processing. The goal is to streamline the checkout process, reduce human error, and provide accurate billing information quickly and efficiently.

# **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

## SOURCE CODE:

```
Z=[]
while True:
    a=input("ITEM NAME :")
    if a=='over':
        break
    b=int(input("ITEM PRICE :"))
    c=int(input("ITEM QUANTITY :"))
    Z.append((a,b,c))
s=0
total_amount=0
for a,b,c in Z:
    item_total = b*c
    total_amount+=item_total
    print("NO :",s,"NAME :",a," PRICE :",c," QUANTITY :",b,"
ITEM TOTAL :",item_total)
    s+=1
```

```

print("PRESS 1 PAYMENT , PRESS 2 REMOVE ITEM ,PRESS 3 ADD")
x=int(input())
if x==1:
    o=total_amount/20
    print("DISCOUNT AMOUNT :",o)
    print("PAID AMOUNT :",total_amount-o)
if x==2:
    while True:
        y=int(input("REMOVE ITEM NO :"))
        if y==111:
            break
        else:
            Z.pop(y)

total_amount=0
for a,b,c in Z:
    item_total=b*c
    total_amount += item_total
print("TOTAL AMOUNT :", total_amount)
o=total_amount/20
print("DISCOUNT AMOUNT :",o)
print("PAID AMOUNT :",total_amount-o)

```

```
if x==3:
```

```
    while True:
```

```
        a = input("ITEM NAME :")
```

```
        if a == 'over':
```

```
            break
```

```
        b = int(input("ITEM PRICE :"))
```

```
        c = int(input("ITEM QUANTITY :"))
```

```
        Z.append((a, b, c))
```

```
s=0
```

```
total_amount=0
```

```
for a,b,c in Z:
```

```
    item_total = b*c
```

```
    print("NO :", s, "NAME :", a, " PRICE :", c, " QUANTITY :", b, "
ITEM TOTAL :", item_total)
```

```
    s+=1
```

```
    total_amount += item_total
```

```
print("TOTAL AMOUNT :", total_amount)
```

```
o = total_amount / 20
```

```
print("DISCOUNT AMOUNT :", o)
```

```
print("PAID AMOUNT :", total_amount - o)
```

=====

**COMPLETE THE PROGRAM**

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# OUTPUT:

## BILLING :

```
C:\Users\vasanth\PycharmProjects\pythonProject\.venv\Scripts\python.exe
ITEM NAME :MILK
ITEM PRICE :50
ITEM QUANTITY :15
ITEM NAME :EGG
ITEM PRICE :6
ITEM QUANTITY :25
ITEM NAME :CURD
ITEM PRICE :10
ITEM QUANTITY :8
ITEM NAME :OVER
ITEM PRICE :52
ITEM QUANTITY :10
ITEM NAME :over
NO : 0 NAME : MILK    PRICE : 15    QUANTITY : 50    ITEM TOTAL : 750
NO : 1 NAME : EGG    PRICE : 25    QUANTITY : 6    ITEM TOTAL : 150
NO : 2 NAME : CURD    PRICE : 8    QUANTITY : 10    ITEM TOTAL : 80
NO : 3 NAME : OVER    PRICE : 10    QUANTITY : 52    ITEM TOTAL : 520
PRESS 1 PAYMENT , PRESS 2 REMOVE ITEM ,PRESS 3 ADD
1
DISCOUNT AMOUNT : 75.0
PAID AMOUNT : 1425.0
```

# OUTPUT:

## REMOVING ITEM :

```
C:\Users\vasanth\PycharmProjects\pythonProject\.venv\Scripts\python.exe
ITEM NAME :MILK
ITEM PRICE :50
ITEM QUANTITY :15
ITEM NAME :EGG
ITEM PRICE :6
ITEM QUANTITY :25
ITEM NAME :CURD
ITEM PRICE :10
ITEM QUANTITY :10
ITEM NAME :over
NO : 0 NAME : MILK   PRICE : 15   QUANTITY : 50   ITEM TOTAL : 750
NO : 1 NAME : EGG   PRICE : 25   QUANTITY : 6   ITEM TOTAL : 150
NO : 2 NAME : CURD   PRICE : 10   QUANTITY : 10   ITEM TOTAL : 100
PRESS 1 PAYMENT , PRESS 2 REMOVE ITEM ,PRESS 3 ADD
2
REMOVE ITEM NO :1
REMOVE ITEM NO :111
TOTAL AMOUNT : 850
DISCOUNT AMOUNT : 42.5
PAID AMOUNT : 807.5

Process finished with exit code 0
```