Python For Engineers

Assignment 1

Name: Rajat Sharma

Course: Btech

Program: CSE D

University roll number : 202401100200253

Assignment-1: Calculate the total cost of 3 different items. Add a discount of 10% if the total exceeds $50.

Source code:

```python
sum = 0 #Total of items purchased
for i in range(3):
    price_of_item = float(input(f"Enter price of item {i+1}: "))
    Quantity_of_item = int(input(f"Enter quantity of item {i+1}: "))
    sum += price_of_item*Quantity_of_item
if(sum > 50):
    print("There is discount of on purchase of items having total greater then 50 USD")
    print(f"Total : {sum}")
    print(f"Discounted : {sum/10}")
    print(f"Total payable price is : {sum - sum/10}")
else:
```

```
print(f"Total payable price is : {sum}")
```

Sample Output:

Enter price of item 1: 5

Enter quantity of item 1: 1

Enter price of item 2: 6

Enter quantity of item 2: 4

Enter price of item 3: 5

Enter quantity of item 3: 5

There is discount of on purchase of items having total greater then 50 USD

Total : 54.0

Discounted : 5.4

Total payable price is : 48.6

Sample output 2:

Enter price of item 1: 5
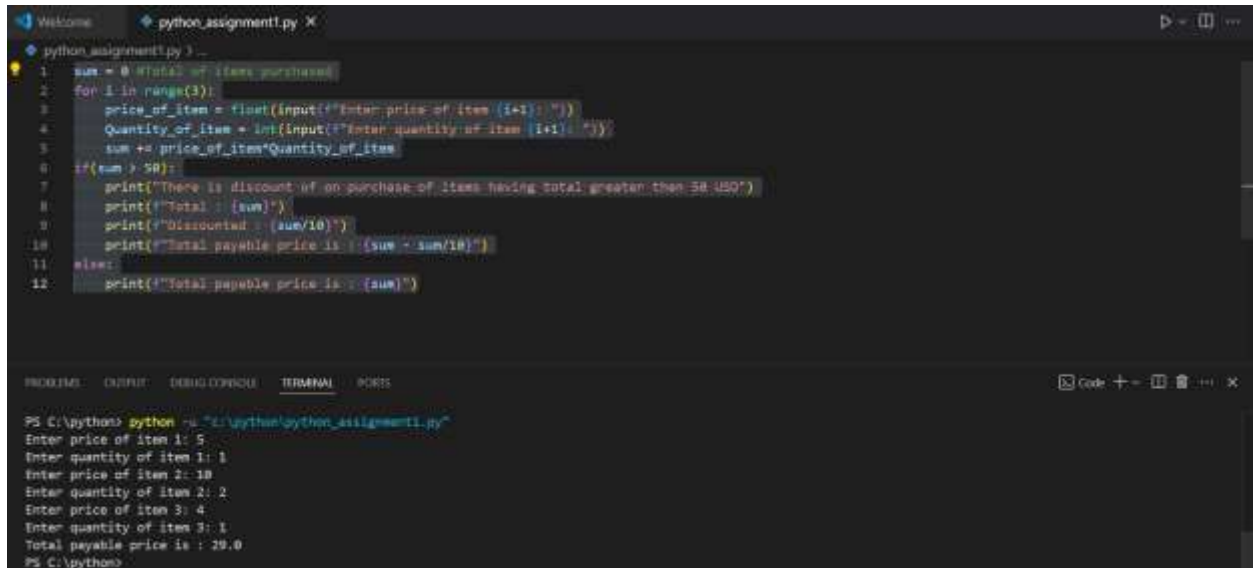
Enter quantity of item 1: 1

Enter price of item 2: 10

Enter quantity of item 2: 2

Enter price of item 3: 4

Enter quantity of item 3: 1

Total payable price is : 29.0

Screenshot: