

PYTHON FOR ENGINEERING

ASSIGNMENT-1

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Case study-1

Q. Calculate the total cost of three different items . Add a discount of 10% if the total cost exceeds \$50.

CODE :-

```
i1=float(input("Enter the price of i1: $"))
i2=float(input("Enter the price of i2: $"))
i3=float(input("Enter the price of i3: $"))
total_cost=i1+i2+i3
if total_cost>50:
    discount=total_cost*0.10
    total_cost-=discount
    print(f"A 10% discount has been applied:{discount:.2f}")
    print(f"Total cost after discount:{total_cost:.2f}")
```

OUTPUT:-

Enter the price of i1: \$10

Enter the price of i2: \$20

Enter the price of i3: \$30

A 10% discount has been applied:6.00

Total cost after discount:54.00
