

Python For Engineers (AI102P)

Case Study 1

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Section: CSE II-A

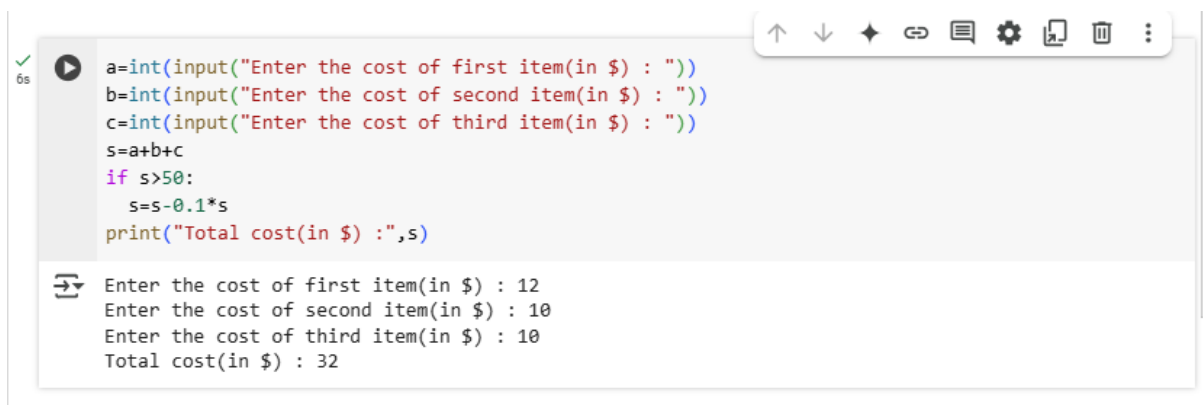
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Case Study: Calculate the total cost of 3 different items(from user input). Add a discount of 10% if the total cost exceeds \$50.

Code:

```
a=int(input("Enter the cost of first item(in $) : "))
b=int(input("Enter the cost of second item(in $) : "))
c=int(input("Enter the cost of third item(in $) : "))
s=a+b+c
if s>50:
    s=s-0.1*s
print("Total cost(in $) :",s)
```

Output:

A screenshot of a Python code editor interface. The top part shows the code for calculating the total cost of three items with a 10% discount if the total exceeds \$50. The bottom part shows the output of the program, which prompts the user to enter the cost of three items and then displays the total cost as 32.

```
6s a=int(input("Enter the cost of first item(in $) : "))
b=int(input("Enter the cost of second item(in $) : "))
c=int(input("Enter the cost of third item(in $) : "))
s=a+b+c
if s>50:
    s=s-0.1*s
print("Total cost(in $) :",s)

Enter the cost of first item(in $) : 12
Enter the cost of second item(in $) : 10
Enter the cost of third item(in $) : 10
Total cost(in $) : 32
```