

Aim:**Problem Description:**

In primary mathematics, you learned about calculating profit and loss. The concept is simple:

- If the cost price (CP) is greater than the selling price (SP), then there is a loss.
- If the selling price is greater than the cost price, then there is a profit.
- If both are equal, there is neither profit nor loss.

Your task is to automate the calculation of profit or loss based on the given cost price and selling price.

Constraints:

- $1000 \leq CP \leq 450000$
- $1000 \leq SP \leq 450000$

Input Format:

- The first line contains an integer representing the cost price (CP).
- The second line contains an integer representing the selling price (SP).

Output Format:

- If the cost price is greater than the selling price, print "**Loss:**" followed by the amount of loss.
- If the selling price is greater than the cost price, print "**Profit:**" followed by the amount of profit.
- If the cost price is equal to the selling price, print "**No Profit No Loss**".

Note:

- Refer to the displayed test cases for a better understanding

Source Code:

profitLoss.c

```
#include<stdio.h>
int main(){
    int cp,sp;
    scanf("%d",&cp);
    scanf("%d",&sp);
    int profitOrLoss = sp-cp;
    if(profitOrLoss>0)
    {
        printf("Profit: %d\n",profitOrLoss);
    }
    else if(profitOrLoss<0)
    {
        printf("Loss: %d\n", -profitOrLoss);
    }
    else
    {
        printf("No Profit No Loss\n");
    }
    return 0;
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
15945
13785
Loss: 2160

Test Case - 2
User Output
25963
8456
Loss: 17507

Test Case - 3
User Output
26832
28513
Profit: 1681

Test Case - 4
User Output
112563
214589
Profit: 102026

Test Case - 5
User Output
100
100
No Profit No Loss