

46. C program to read the cost price and selling price from the user and calculate whether there is a profit, loss, or no loss no profit:

```
#include <stdio.h>
```

```
int main() {
```

```
    float costPrice, sellingPrice, difference;
```

```
    // Read cost price from the user
```

```
    printf("Enter Cost Price: ");
```

```
    scanf("%f", &costPrice);
```

```
    // Read selling price from the user
```

```
    printf("Enter Selling Price: ");
```

```
    scanf("%f", &sellingPrice);
```

```
    // Calculate the difference
```

```
    difference = sellingPrice - costPrice;
```

```
    // Determine and print whether there is a profit, loss, or no profit no loss
```

```
    if (difference > 0) {
```

```
        printf("Heyy, You have made a profit of Rs.%.2f/-\n", difference);
```

```
    } else if (difference < 0) {
```

```
        printf("Oops!, You Incurred a Loss of Rs.%.2f/-\n", -difference);
```

```
    } else {
```

```
        printf("Hmmm!, No Loss...No Profit...\n");
```

```
    }
```

```
    return 0
```

```
}
```

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