

Program -1 (if-else)

KG theatre in the city is newly renovated. So, they decided to give a 20% discount if one person buys more than 15 tickets. Also, they give an extra 5% discount, if he/she is a student. There won't be any discount if anyone purchases less than 15 tickets. The ticket rate may vary based on the movie.

Karthik has planned to book the tickets for his juniors and friends. Help Karthik to calculate the amount and display whether the discount is applied or not.

Input format

Ticket rate in first line

Number of tickets in second line

Category in third line

Activate Windows
Go to Settings to activate Windows.

Output format

Discount details in first line

Total amount in second line

(Refer sample outputs for exact text and format)

Code constraints

Category =1 (for Students)

Category !=1 (for others)

Sample testcases

Input 1

100
20
1

Output 1

Discounts Applied - Maximum Tickets and Student
Total Amount - 1500.00

Activate Windows
Go to Settings to activate Windows.

100
20
1

Discounts Applied - Maximum Tickets and Student
Total Amount - 1500.00

Input 2

100
20
2

Output 2

Discount Applied - Maximum Tickets
Total Amount - 1600.00

Input 3

100
10
1

Output 3

No Discount Applied
Total Amount - 1000.00

Activate Windows
Go to Settings to activate Windows.

Program - 2

Magesh, the electrician of the famous textile industry in Bangalore wants to calculate the electricity bill for his company. The electricity rates for industrial units in Bangalore is Rs 4.25 per unit for the first 500 units and Rs 4.95 per units for consumption from 501 to 1000 units and Rs.5.25 per unit for consumption above 1000 units.

Help Magesh by writing a suitable program to get the previous reading and current reading and calculate the electricity bill amount.

Input format

Previous reading in first line

Current reading in second line

Output format

Calculated electric city bill as per given information

Code constraints

Last Reading \leq Current Reading

Sample testcases

Input 1

23500
23800

Output 1

1275.000000

Input 2

42560
43256

Output 2

3095.200000

Activate Windows

Input 3

67890
68895

Output 3

4626.250000