

Write a C program to input the type of customer (1 - Domestic customer and 2- Samurdhi customer) and the number of electricity units used for a month. The program should calculate the electricity bill as follows.

For first 100 units Rs. 10.00/unit

For units above 100 Rs.30.00/unit

An additional surcharge of 20% is added for Domestic customers who have exceeded 100 units.

Sample Output1:

Customer Type: 1

Number of units: 110

Monthly charge: Rs.1560.00

Sample Output2:

Customer Type: 2

Number of units: 96

Monthly charge: Rs.960.00

$(type == 1 \ \&\& \ unit > 100)$

$unit = 150 \text{ ----> } 100 + 50$

$100 * 10 + (units - 100) * 30$

$1000 + (units - 100) * 30$

Marking Guide

Declaring meaningful variable names - 0.5 mark

Using correct data types for variables - 0.5 mark

Taking keyboard inputs - 0.5 mark

Write a C program to input the type of customer (If loyalty customer – input 1 and if Nonlocally customer – input 2) and the total bill amount to the system and calculate the discount and the final bill.

For Loyalty Customer:

Bill Amount is less than or equal to Rs. 2500, discount is 5% of the bill amount.

if(type == 1 && amount <= 2500)

Bill Amount is greater than Rs. 2500, discount is 10% of the bill amount.

if(type == 1 && amount > 2500)

For Nonlocality Customer:

Bill Amount is greater than Rs. 5000, discount is 10% of the bill amount.

(type == 2 && amount >5000)

Sample output 1:

Customer Type:1

Bill Amount: Rs. 2000

Discount Amount: Rs. 100.00

Final Bill Amount: Rs. 1900.00

Sample output 2:

Customer Type: 2

Bill Amount: Rs. 8500

Discount Amount: Rs. 850.00

Final Bill Amount: Rs. 7650.00

Write a C program to input the type of customer (If loyalty customer – input 1 and if NonLoyalty customer – input 2) and the total bill amount to the system and calculate the discount and the final bill.

For Loyalty Customer:

Bill Amount is less than or equal to Rs. 2500, discount is 5% of the bill amount.

Bill Amount is greater than Rs. 2500, discount is 10% of the bill amount.

For NonLoyalty Customer:

Bill Amount is greater than Rs. 5000, discount is 10% of the bill amount.

Sample output 1:

Customer Type: 1

Bill Amount: Rs. 2000

Discount Amount: Rs. 100.00

Final Bill Amount: Rs. 1900.00

Sample output 2:

Customer Type: 2

Bill Amount: Rs. 8500

Discount Amount: Rs. 850.00

Write a C program to input the number of months worked in the previous year and the basic salary from the keyboard and calculate and display the bonus.

The bonus is calculated as following.

less than 6 months, no bonus

6 or more months, bonus = number of months * basic salary

if(month < 6)
bonus = 0;

else if(month >= 6)
bonus = month * salary;

If a employee works 12 months and the basic salary is less than or equal to 45000.00 rupees an additional one month bonus will be given.

Sample Input1

number of months: 3
basic salary : 20000.00
Bonus : 0.00

if (month == 12 && salary <= 45000)
bonus += salary;

Sample Input2:

number of months: 12
basic salary : 20000.00
Bonus : 40000.00

Write a C program to input the number of months worked in the previous year and the basic salary from the keyboard and calculate and display the bonus.

The bonus is calculated as following.

less than 6 months, no bonus

6 or more months, $\text{bonus} = \text{number of months} * \text{basic salary}$

If a employee works 12 months and the basic salary is less than or equal to 45000.00 rupees an additional one month bonus will be given.

Sample Input1

number of months: 3

basic salary : 20000.00

Bonus : 0.00

Sample Input2:

number of months: 12

basic salary : 20000.00

Bonus : 40000.00

Question text

Write a C program to input the Book Type (If Computer Related – 1, Others - 2) and the no of days the book is rented. If the no of days are greater than 14, 10% fine is charged for the rental amount. Your program should display the rental amount.

Rental amount per day is given below:

o Computer Book: Rs. 10.00

o Any other Book: Rs. 8.00

In the end, you have to display as follows:

Sample output 1:

Book Type: 2

Rented days: 10

Rental per day: Rs.8.00

Rental Amount: Rs. 80.00

Sample output 2:

Book Type: 1

Rented days: 15

Rental per day: Rs.10.00

Rental Amount: Rs. 165.00

$10.00 * 15 = 150$
additional $150 * 10\%$

Question 1

Not yet answered

Marked out of
10.00

Flag question

A company provides a monthly commission for their sales persons according to the monthly sales. Commission is given only for the employees who worked more than 2 years.

Monthly commission for product No 10 has to be calculated based on the following criteria.

Monthly units sales (No of units per month)	Commission per Unit (Rupees)
Monthly sales >100	3500.00
Monthly sales between 31 and 100	2500.00
Monthly sales <=30	1000.00

Write a C program to enter the no of years worked and number of units sold from the keyboard. Calculate and display the commission amount.

Format your answers to two decimal places.

Sample output 1

no of years worked : 2

number of units sold : 100

Commission : 0.00

Sample output 2

no of years worked : 3

number of units sold : 100

Commission : 250000.00

Quiz navigation

Finish attempt ...

Time left 0:34:37

1



IP Lab 01 - Y1S1.01
incorrect password

Reply

Course Fee details of two courses offered by ABCD institute is given below

Course No	Course Fee (Rs)
1	150000
2	175000

A discount is given for the course fee based on the marks obtained in the aptitude test as shown below.

Marks	Discount
80 - 100	7.5%
Less than 80	No discount

Write a C program to enter the course no and the marks. Calculate and display the discount, the amount to be paid as course fee (course fee - discount)

Format your answers to two decimal places. If an invalid course no is entered, display "Invalid Course".

Sample output 1

Course no: 1

Aptitude test marks: 90

Discount : 11250.00

Course fee: 138750.00

Sample output 2

Course no: 2

Aptitude test marks: 75

Discount : 0.00

Course fee: 175000.00

≡ Quiz navigation

Finish attempt ...

Time left 0:34:09

1

NetExam

Sri Lanka Institute of Information Technology

Examinations

Lockdown Browser

Practice Test

It21075612 Rasanjana O.K.C It21075612

19:28:45

License fee for two virus guard products are given below. Pricing is calculated based on the no of users. Following table shows the user blocks and the per user rate.

No of users	Product 1 Pricing per user (\$)	Product 2 Pricing per user (\$)
0 - 100	15.50	25.50
Above 100	25.00	35.00

Ex: For product 1, pricing for 150 users will be calculated as follows.
First 100 users will be charged \$15.50 per user and the rest will be charged \$25.00 per user.

Write a C program to enter the product no and no of users. Calculate and display the amount need to be paid as the license fee.

Format your answers to two decimal places.

Sample output 1

product no : 1

number of users : 150

Amount to be paid : 2800.00

Quiz navigation

Finish attempt ...

Time left 0:33:26

1

Course No	Course Fee (Rs)
1	150000
2	175000

A discount is given for the course fee based on the marks obtained in the aptitude test as shown below.

Marks	Discount
80 - 100	7.5%
Less than 80	No discount

Write a C program to enter the course no and the marks. Calculate and display the discount, the amount to be paid as course fee (course fee - discount)

Format your answers to two decimal places. If an invalid course no is entered, display "Invalid Course".

Sample output 1

Course no: 1

Aptitude test marks: 90

Discount : 11250.00

Course fee: 138750.00

Sample output 2

Course no: 2

Aptitude test marks: 75

Discount : 0.00

Course fee: 175000.00

Declaring meaningful variable names - 0.5 mark

Using correct data types for variables - 0.5 mark

Taking keyboard inputs - 0.5 mark

Correct if-else statement - 3 mark

Correct calculation - 3 marks

Display output correctly - 0.5 mark

Formatting of output - 0.5 mark

Coding standards - 0.5 mark

Write a C program to input the type of customer (If loyalty customer – input 1 and if Nonlocally customer – input 2) and the total bill amount to the system and calculate the discount and the final bill.

For Loyalty Customer:

Bill Amount is less than or equal to Rs. 2500, discount is 5% of the bill amount.

Bill Amount is greater than Rs. 2500, discount is 10% of the bill amount.

For Nonlocality Customer:

Bill Amount is greater than Rs. 5000, discount is 10% of the bill amount.

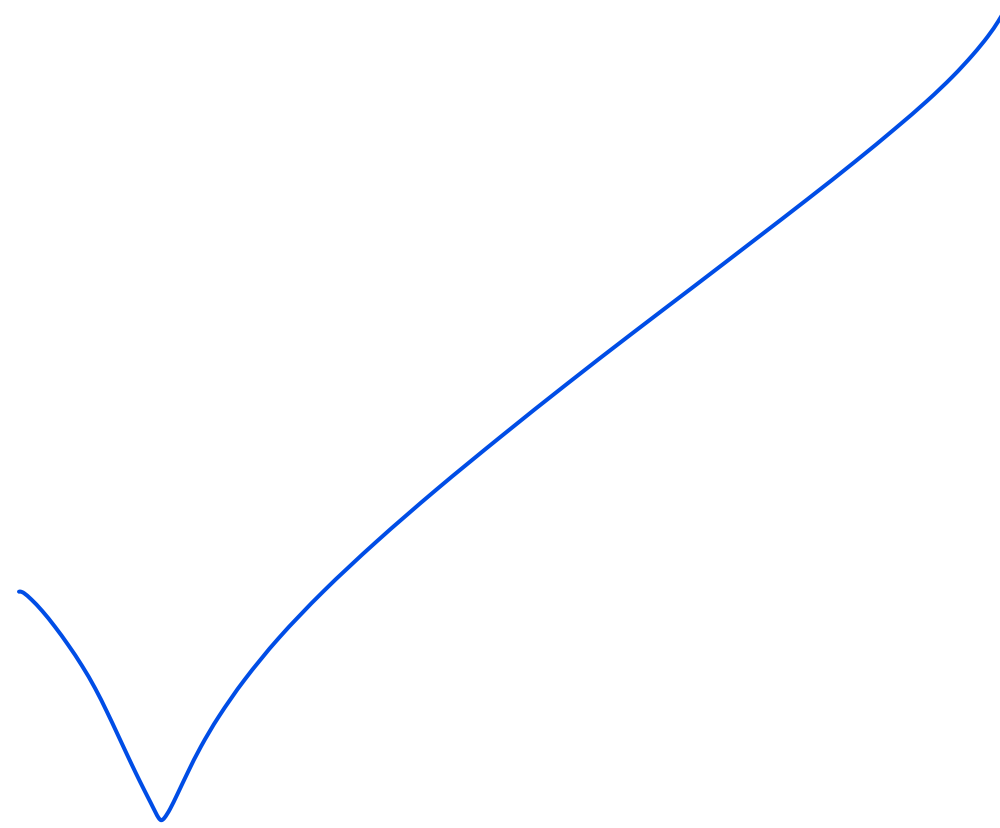
Sample output 1:

Customer Type:1

Bill Amount: Rs. 2000

Discount Amount: Rs. 100.00

Final Bill Amount: Rs. 1900.00



Sample output 2:

Customer Type: 2

Bill Amount: Rs. 8500|

Discount Amount: Rs. 850.00

Final Bill Amount: Rs. 7650.00