01

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 is 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

      Computer Book: Rs. 10.00

      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

Rested days: 15

Rental per day: Rs.10.00

Rental Amount: Rs. 165.00

02

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 an 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 Input 1 :

number of months: 3

basic salary: 20000.00

Bonus: 0.00

Sample Input 2 :

number of months: 12

basic salary: 20000.00

Bonus: 40000.00

03

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 Output 1 :

Customer Type: 1

Number of units: 110

Monthly charge: Rs.1560.00

Sample Output 2 :

Customer Type: 2

Number of units: 96

Monthly charge: Rs.960.00

04

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