1. The commission on a salesman’s total  sales is as follows:

|  |  |
| --- | --- |
| Sales < Rs.100 , | no commission |
| Rs.100 <= Sales < Rs.1000 | commission = 10% of sales |
| Sales >= Rs.1000 | commission = 100 + 12% sales above Rs.1000. |

Write a C program that reads sales and prints out salesman’s commission.

2. An electric power distribution company charges its domestic customers as follows

consumption units Rate of charge

|  |  |
| --- | --- |
| 0-200 | Rs. 0.50 per unit |
| 201-400 | Rs. 100 plus Rs. .65 per unit excess of 200 |
| 401-600 | Rs. 230 plus Rs. .80 per unit excess of 400 |
| 601 and above | Rs. 390 plus Rs. 1.00 per unit excess of 600 |

write a program which reads customer number and number of units

print the total amount to be paid by customer\*/

3. A cloth showroom has announced the following seasonal discounts on purchase of items

Purchase amount discount

|  |  |
| --- | --- |
| Purchase amount | Discount |
| 0-100 | -- |
| 101-200 | 5% |
| 201-300 | 7.5% |
| Above 300 | 10% |

Write a modular to compute the net amount to be paid by a customer.

4. A mobile company chargesits customers who use postpaid scheme as follows

A monthly rental of Rs.250 if total call duration does not exceed 10 hours.Extra charges are as follows

10-15 hours Rs 1.5/min

15 onwards Rs 2.0/min

service tax 8% of total amt write a C program to calcultae the total amount to be paid per month by the customer

Write a modular C program which accepts the choice from the user. As per the entered choice, the program performs one of the following operations

Choice Operation

1 . Calculate and display the area of a rectangle Area = length \* breadth

2 .Calculate the area and perimeter of the circle and display them

area = pi \* r \* r perimeter = 2 \* pi \* r

3 Calculate the surface area and volume of a sphere

surface area =4 × pi × radius2

                           Volume = (4/3) × pi × radius3

Write a C program to calculate the gross salary of an employee based on the following   conditions:

|  |  |  |
| --- | --- | --- |
| Basic Salary | DA | HRA |
| 0-12000 | 35% | 10% |
| 12001-20000 | 47% | 15% of salary excess of 12000 |
| 20001-above | 54% | 17% of salary excess of 20000 |

|  |
| --- |
|  |