

C Programming: Conditional Statement Based Calculation Exercises

1. Electricity Bill Calculator

Calculate electricity bill based on the following:

Units Used	Rate per Unit
1 – 50	₹0.50
51 – 150	₹0.75
151 – 250	₹1.20
Above 250	₹1.50

Add a 20% surcharge on the total bill amount.

2. Auto/Taxi Fare Calculation

Calculate fare based on distance traveled:

Distance (km)	Rate per km
Up to 3 km	₹15
4 to 10 km	₹12
Above 10 km	₹10

3. Shopping Discount Calculator

Calculate discount based on purchase amount:

Amount	Discount
₹5000 or more	20%
₹3000 – ₹4999	15%
₹1000 – ₹2999	10%
Below ₹1000	No Discount

4. Car Rental Billing

Rental charges:

- ₹500 per day for first 5 days

- ₹400 per day for next 5 days
- ₹300 per day for remaining days

Input number of days and calculate total rent.

5. Sales Commission Calculator

Commission based on sales:

Sales Amount	Commission Rate
> ₹50,000	10%
₹30,000 – ₹50,000	7%
₹10,000 – ₹29,999	5%
< ₹10,000	2%

6. Petrol Bill Calculator

Given price per liter is ₹105. Input liters filled and calculate total bill.

If total amount > ₹1000, apply ₹50 cashback.

7. Hospital Billing System

Charges based on stay duration:

Days Admitted	Cost per Day
1-3	₹2000
4-7	₹1800
8+	₹1500

Add ₹500 for registration + medicine charges.

8. Mobile Recharge Plan

Input plan code and print plan details:

1. ₹199 – 28 Days – 1.5GB/day
2. ₹299 – 56 Days – 2GB/day
3. ₹399 – 84 Days – 2.5GB/day

9. Amusement Park Entry Fee

Entry fee based on age:

Age Group	Fee
< 5	Free
5-12	₹50
13-59	₹100
60+	₹70

10. Income Tax Calculator

Calculate tax on annual income:

Income Range	Tax Rate
< ₹2.5L	0%
₹2.5L – ₹5L	5%
₹5L – ₹10L	10%
Above ₹10L	20%