1. An electricity board charges the following rates to domestic users to discourage large consumption of energy For the first 100 units 60P per unit For the next 200 units 80P per unit Beyond 300 units 90P per unit All users are charged a minimum of Rs. 50. If the total amount is more than 300.00 then an additional surcharge of 15 % is added.

2. C program to check whether a person is eligible for voting or not?

3. Write a C program to accept the basic salary of an employee from the user. Calculate the gross salary on the following basis:

Basic	HRA	DA
Up to 5000	8%	20%
5000 to 10000	12%	30%
10000 to 15000	15%	40%
15000 above	20%	50%

4. Compute taxes for a given income with tax slab rates as follows...

   a. slab 1... 0-2500: 0%

   b. slab 2... 2500-5000: 10%

   c. slab 3... 5000-10000: 20%

   d. slab 4... 10000+: 30%

(for each range of a given income, the tax rate is different) e.g. input: x = 5200 divisions are 0-2500, 2500-5000, 5000-5200 calculation: 0-2500 of x: 0% of 2500 = 0 2500-5000 of x: 10% of 2500 = 250 5000-1000 of x: 20% of 200 = 40 output: 290

5. Write a program to evaluate the Total, Percentage, Grade of a student for the following constraints:

   a. If marks > 75 – grade A

   b. If 60 < marks < 75 – grade B

   c. If 45 < marks<60 – grade C

   d. If 35 < marks<45 - grade D

   e. If marks < 35 – Fail

6. Declare two variables x and y. Assign values to these variables. Number x should be printed only if it is less than 2000 or greater than 3000, and number y should be printed only if it is between 100 and 500.