

Computer Programming Lab #3

Category-1 (Using Nested if-else)

1. An electricity board charges the following rates for the use of electricity:

For the first 200 Units: Rs. 0.80 per unit

For the next 100 Units: Rs. 0.90 per unit

Beyond 300 Units: Rs. 0.80 per unit

All users are charged a minimum of Rs. 100 as meter charge. If the total amount is more than Rs. 400 then an additional surcharge of 15% of the total amount is charged.

Write a program (WAP) in C-language to read number of units consumed & print out the charges.

2. WAP in C language to read three integer values from the keyboard and displays the output stating that either they are the sides of right-angled triangle. Use possible test cases.

Category-2 (Using Switch Case)

1. Design a calculator for the following operations addition, subtraction, multiplication, division, percentage computation & square-root computation by writing a C program.

2. WAP to change the date format from DD/MM/YYYY to date-value of the month name year number for example 01/09/2018 will be converted to 1st September 2018.