

Assignment No 6

Programs to demonstrate problems on conditional branching

- 1) Write c program to find maximum and minimum number entered by user among three numbers.
- 2) Write C program to find entered number by user is prime or not.
- 3) Develop a Program to read a number. Check whether it is divisible by 7 or not.
- 4) Develop a Program to read number of units consumed by a customer. Find out electricity bill amount paid base on following condition, If units ≥ 100 then per unit 90 paisa otherwise 80 paisa charges.
- 5) An electricity board charges the following rates for the use of electricity: for the first 200 units 80 paise per unit: for the next 100 units 90 paise per unit: beyond 300 units Rs 1 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 total amount is charged. Write a program to read the name of the user, number of units consumed and print out the charges.