

ASSIGNMENT 2

1. Write a C program to find the greatest of 3 numbers using logical operators.
2. Write a C program to find the greatest of 3 numbers using nested if-else.
3. Write a C program to input basic salary of an employee and calculate its Gross salary according to following:
Basic Salary \leq 10000 : HRA = 20%, DA = 80%
Basic Salary \leq 20000 : HRA = 25%, DA = 90%
Basic Salary $>$ 20000 : HRA = 30%, DA = 95%
4. Write a C program to check whether a number is divisible by 5 or by 11 or by both or by neither of them.
5. Write a C program to check whether a year is a Leap year or not.
6. Write a C program to implement a basic calculator using switch case.
7. Write a C program to implement the following using switch case:
User will be asked to enter an option between 1, 2, 3. If user enters option 1, program will check whether a number is even or odd; If user enters option 2, program will find greater of 2 numbers; If user enters option 3, program will check whether a number is positive or negative.
8. Write a C program to display all numbers from 1 to n using while loop, where n should be taken as user input.
9. Write a C program to display all numbers from 1 to n using for loop, where n should be taken as user input.
10. Write a C program to display all numbers from 1 to n using do-while loop, where n should be taken as user input.
11. Write a C program to display all numbers from n to 1 using while loop, where n should be taken as user input.
12. Write a C program to display all numbers from n to 1 using for loop, where n should be taken as user input.
13. Write a C program to display all numbers from n to 1 using do-while loop, where n should be taken as user input.
14. Write a C program to display all odd numbers from 1 to n where n should be taken as user input (using any loop).
15. Write a C program to display all even numbers from 1 to n, where n should be taken as user input (using any loop).
16. Write a C program to find the sum of all even numbers from 1 to n, where n should be taken as user input (using any loop).
17. Write a C program to find the sum of all odd numbers from 1 to n, where n should be taken as user input (using any loop).