Assignment 1
Computer Programming with C
MCA102

Topic: C Basics and Operators

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1. Write a C program to find the sum and average of three numbers.
2. Write a C program to find the sum of individual digits of a given positive integer.
3. Write a C program to generate the first n terms of the Fibonacci sequence.
4. Write a C program to generate prime numbers between 1 to n.
5. Write a C program to check whether a given number is an Armstrong number or not.
6. Write a C program to evaluate the algebraic expression (ax+b)/(ax-b).
7. Write a C program to check if the given number is a perfect number.
8. Write a C program to check if a given number is a strong number.
9. Write a program to print your name without using any semicolons in the program.
10. Write a program to convert temperatures in Celsius to Fahrenheit and vice-versa.
11. Write a C program to check whether a number is a palindrome or not.
12. Write a C program to find the maximum between two numbers.
13. Write a C program to find the maximum between three numbers.
14. Write a C program to check whether a number is negative, positive, or zero.
15. Write a C program to check whether a number is divisible by 5 and 11 or not within the range of 100 to 500.
16. Write a C program to check whether a number is even or odd.
17. Write a C program to check whether a year is a leap year or not.
18. Write a C program to check whether a character is alphabet or not.
19. Write a C program to input any alphabet and check whether it is a vowel or consonant.
20. Write a C program to input any character and check whether it is an alphabet, digit, or special character.