Assignment 2
Computer Programming with C
MCA102

Topic: C Functions

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1. Write a C program to add, subtract, multiply, and divide two integers using a user-defined type function with a return type.
2. Write a C program to calculate the sum of the first 20 natural numbers using a recursive function.
3. Write a C program to generate a Fibonacci series using a recursive function.
4. Write a C program to swap two integers using call-by-value and call-by-reference methods of passing arguments to a function.
5. Write a C program to find the sum of the digits of the number using a recursive function.
6. Write a C program to read an integer number and print the reverse of that number using recursion.
7. Using functions, write a C program to find the maximum and minimum between two numbers.
8. Write a C program to check whether a number is even or odd using functions.
9. Write a C program to check whether a number is a prime, Armstrong, or Perfect number using functions.
10. Write a C program to find the power of any number using recursion.