

Assignment04

Sept22/ C/Assignment04
C Programming
Diploma in Advance Computing
September 2022

1. Write a function to calculate the factorial value of a number accepted by user.
2. Write a function to print all prime numbers from 1 to 300.
3. Write a program to compute $(x)^n$ using function without using standard function.
4. Accept a positive integer from user and write a function to obtain the prime factors of this number.

For ex- prime factors of 24 are 2, 2, 2 and 3, whereas prime factors of 35 are 5 and 7.

5. Write a function that receives marks by a student in 5 subjects and returns the average and percentage of these marks. Call this function from main () and print the results in main ().
6. Write a program to calculate sum of all even numbers and odd numbers between 1-20 using single function and print both results in main().
7. Write a function to find the sum of user entered number and display the sum in main ().
8. Find factorial and power of a number using single function and display result in main.
9. Find max and min of three numbers using function and display both in main.
10. Accept a number from user and display sum of numbers from 1 to n using recursion.
11. Accept a number from user and do sum of digits using recursion.

(123= 1+2+3=6)