

C PROGRAMMING ASSIGNMENT-1

1. WAP to read an integer .Then display the value of that integer in decimal, octal and hexadecimal notation.
2. WAP to calculate simple interest and compound interest.
3. WAP to print prime factors of a number.
4. WAP to print ASCII value of A-Z and a-z.
5. WAP to check whether a number is positive, negative or zero.
6. WAP to compute reverse of a number and check whether the number is Palindrome or not.
7. WAP to prepare a Grocery Bill. For that enter the name of the items purchased, quantity in which it is purchased and its price per unit and then display in the following format:

-----BILL-----
Item | Quantity | Price | Amount | Total

8. WAP to display menu that offers 5 options – Read three numbers, Calculate total, Calculate the average, Display the smallest, and display the largest using switch-case statement.
9. WAP to find sum of first 50 numbers using goto statement.
10. WAP to print terms of series $f = 3n+2$ but stop as soon as value of f becomes multiple of 4.
11. WAP to check for Armstrong number and display Armstrong numbers between 1 to 50.
12. WAP to read the marks obtained by a student in five subjects and display the grades obtained in each subject using nested if-else statement.
13. WAP to list all leap years from 1900 to 2100.
14. WAP to find Factorial of a number.
15. WAP to display Fibonacci series up to n number of terms.
16. WAP to calculate sum of 10 numbers entered by the user using break and continue statements.
17. WAP that reads integers until the user enters -1. When the user stops entering numbers, display the sum, average and largest of the numbers using while loop.
18. WAP to find GCD of two numbers.
19. WAP to accept any number from user and convert it into word using switch case.

20. WAP to find prime divisors/factors of a given number.
21. WAP to count number of digits and their sum in any positive integer.
22. WAP to find LCM and HCF of two numbers.
23. WAP to find all roots of a quadratic equation using nested if-else statements.
24. WAP to accept day number of week and display the corresponding week day using switch-case statements.
25. WAP to enter an octal number. Calculate and display its decimal equivalent.