

## **CLASS 11 -LIST OF PRACTICAL QUESTIONS**

1. WAP to find the Simple Interest given principal  $P=100$  ,take rate and time from the user.
2. WAP to take marks in 3 subjects from the user ,find the total and percentage .Assign the grades according to the following  
    <40%                 D  
     $\geq 40$  and <60    C  
     $\geq 60$  AND <80   B  
     $\geq 80$                A
3. WAP to print the largest of 3 numbers using conditional operator.
4. WAP to test whether an input character is an vowel or not.
5. WAP to find is if a number is prime or not.
6. WAP to find the LCM and HCF of 2 numbers.
7. WAP to print the Fibonacci series upto n ,where n is taken from the user.
8. Write a menu driven program to take a number from the user and test
  - If it is a palindrome or not
  - To print its factorial
  - If it is a Armstrong number or not
  - Exit
9. WAP to find the roots of a quadratic equation.
10. WAP to find the sum of the series:  
    
$$x^2/2! - x^4/4! + x^6/6! - \dots (-1)^{(2n-1)} x^{(2n)}/2n!$$
11. WAP to search a number in an 1D array using
  - Linear Search
  - Binary Search

12. WAP to merge an array A and an array B of size n in array C such that all the even numbers of A ,then all the odd numbers of B ,then all the even numbers of B and all the odd numbers of A are stored in C from top to bottom .Print the old and new arrays.
13. WAP to display the pyramid for any n eg for n=4
- ```
4
434
43234
4321234
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14. WAP to insert elements at the nth position in a 1D array.
15. WAP to delete elements from the nth position in a 1D array.
16. WAP to sort the 1D array using functions
- Bubble sort
  - Selection sort
  - Insertion sort
17. WAP to find the sum of both the diagonals separately of a 2D array.
18. WAP to multiply two 2D matrices of sizes mxn and pxq repectively.
19. WAP to find the power of a number using recursive function.
20. Write a menu driven program to do the following using user defined functions.
- Length of the string
  - Compare two strings
  - Concatenate two strings
21. Declare a structure having feet and inches as data members.Take height of two students ,add them and print the result.
22. WAP to store details of an employee having data members as date .serial number,salary and account number,Display the serial number and names of those employess whose yearly sal >1 lakh.Display the account number of those employeeswhose name starts with character x where x is taken from the user.

