

CLASS XI PRACTICAL

1. Write C++ program to print following Pattern :

```
*  
*  *  
*  *  *  
*  *  *  *  
*  *  *  *  *
```

2. Write C++ program to print following Pattern :

```
A  
A  B  
A  B  C  
A  B  C  D  
A  B  C  D  E
```

3. Write C++ program to print following Pattern :

```
A  
B  C  
D  E  F  
G  H  I  J  
K  L  M  N  O
```

4. Write C++ program to print following Pattern :

```
1  
2  3  
4  5  6  
7  8  9  10  
11 12 13 14 15
```

5. Write C++ program using function to check Entered number is Prime or not.

6. Write C++ program using function to print all Prime numbers between the range of two numbers passed as parameter and entered by user at run time.
7. Write C++ program using function to print Fibonacci series upto the specific number.
8. Write C++ program using function to find the ans of following series .

$$1/x + 2/x^2 + 3/x^3 + 4/x^4 ++ n/x^n$$

9. Write C++ program using function to check entered number is Palindrome or not.
10. Write C++ program using function to print the reverse of entered number.
11. Write C++ program using function to print the sum of all digits of an entered number.
12. Write C++ program using function to find a specific number in an array and display its position in an 1D array.
13. Write C++ program using function to find the Smallest and Biggest integer in an 1D array.
14. Write C++ program using function to check entered String is Palindrome or not.
15. Write C++ program using function to count :
 - (i) Each Vowels separately in a sentence.
 - (ii) Total Vowels in a sentence.
16. Write C++ program using structure to read specific no. of student data (as structure given below) and display information of specific student .

student{RollNo, Name, DOB, Class, Sec, Sex}

17. Write C++ program to show Passing and Returning structure To/From Function.
18. Write C++ program using function to revert the word entered by user & Print.
19. Write C++ program using function to Count no. of Alphabets, Digits & Other Characters present in a String/Sentence.
20. Write C++ program using function to Change Capital Later in Small Latter and Small Later to Capital Later present in a String/Sentence.
21. Write C++ Program to read the data in 2D matrix A[][] and B[][] and display its :
 - (i) Sum of both the matrix A+B
 - (ii) Subtraction A-B