

**GLS UNIVERSITY**  
**FACULTY OF COMPUTER APPLICATIONS & INFORMATION TECHNOLOGY**  
**SUBJECT: 0301105 Practical on Logic Development & Programming**  
**BCA Sem – I**  
**Practical Assignment – Unit - III**

1. Write a Program to Display Fibonacci Series.
2. Write a Program to Count Number of Digits of an Integer.
3. Write a Program to Check Whether a Number is Palindrome or Not  
Example:  
Input: 121  
Output: It is a palindrome number
4. Write a Program to Check Whether a Number is Prime or Not
5. Write a Program to Reverse a Number.  
Example:  
Input: 123  
Output: 321
6. Write a program to Check Armstrong Number
7. Write a program to Make a Simple Calculator to Add, Subtract, Multiply or Divide Using switch...case.
8. C program to Generate Multiplication Table of a number given by user.
9. Write a Program to Find Sum of first n Numbers where value of n will be given by the user  
**Write a C program to print following patterns where number of rows will be given by user**
10. 

```
*
**
***
****
*****
```
11. 

```
1
11
111
1111
11111
```
12. 

```
54321
4321
321
21
1
```
13. 

```
A
AB
ABC
ABCD
ABCDE
```

14. A  
BB  
CCC  
DDD  
EEEE

15. 1  
22  
333  
4444  
55555

16. 1  
22  
333  
4444  
55555  
444  
333  
22  
1

17. 55555  
4444  
333  
22  
1

18. Write a C program that will find odd or even number using goto statement.
19. Write a C program that will find positive or negative number using goto statement.
20. Write a C program that will find greatest of 3 numbers given by the user.
21. Write a C program that will display 100 to 1 using for loop.
22. Write a C program that will find sum of even numbers between 50 to 100 using while and if statement.
23. Write a C program that will find sum of odd numbers between 10 to 20 using while and if statement.
24. Write a C program to display A to Z using do...while loop.
25. Write a C program to check whether the given number is vowel or constant
26. Write a C program to print all even numbers between 1 to 100 using do-while loop.