

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.