All lab problems

**Lab-2(basic C and nested if, else)**

1)Input character and print output twice in the same line.

2)Find the greatest number among three numbers. Program also evaluate whether two number among them equal or not.

3)Leap year evaluation.

4)Find maximum number among 5 numbers. (Nested if, else)

**Lab-3(Loop)**

5)Finding reverse of a given number.

6)Find summation of the prime numbers in a given range.

**Lab-4(Loop)**

7) Pattern printing: \* 1

\* \* 1 2

\* \* \* 1 2 3

\* \* \* \* 1 2 3 4

8)Fibonacci series generation.

9)Multiplication table generation (1 to 10).

**Lab-5(Loop)**

10) pattern printing: \* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

0 0 0 0 0 0 0 \* 0 0

\* \* \* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \* \* \*

11)Print leap year from 1901 to 2019.

12)Find the summation of palindrome numbers 121 to 1001.

13)Print Fibonacci number in a given range.

14)Prime + Fibonacci number print.

**Lab-6 (Function)**

15)Summation of two numbers using function.

16)Take float number and find the maximum number.

17)Fibonacci + Prime check in a range.

18)Fibonacci + (Prime + even/odd) check in a range.

**Lab-7(Array)**

19)Finding the 2nd largest element of an array.

20)Find the average of odd elements of an array.

21)Find the frequency of the element of an array.

22)Copy the element of an array in reverse order.

23)Find the square root of the elements of an array and keep it in another array.

24) 5 4 3 2 1 6 2 (Find the absolute value).

**Lab-8 (String, array)**

25)Finding the number of vowel and consonant in a given string.

26)Check whether a string is palindrome or not.

27)Array/string sorting.

28)Matrix multiplication.

29)Upper case to lower case conversion of a string:

I am A Student

i am a student

**Lab-9(File handling in C)**

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30)Open a file for reading.

31)Open a file for writing.

32) Writing and reading from a file and sort them. Then again write them.

Here, Data type = integer.