**C++ Assignment Question**

**Character based Question**

1. Input a character and check its status.
2. Input a lower case character and convert it upper case letter.
3. Input a lower case character and convert it lower case letter.

**Ternary Operator**

1. Input three number and find out maximum.
2. Input four numbers and find maximum.
3. Arrange three numbers in ascending order.
4. Input a number and check its –ve or +ve or zero.

**If - else**

1. Input a number and check number is even or odd?
2. Input a number and to check whether a number is +ve or –ve ?
3. Input a number and to check whether a number is +ve , –ve or zero ?
4. Find maximum of two numbers?
5. To calculate gross salary of the person. Give basic salary ( BS ) as input. If BS is > 5000 DA = 55% of BS and HRA = 15% of BS else DA=45% of BS and HRA=10% of BS.
6. Input a number and check number is divisible by 3 and 7 .

**Nesting** **of** **if-else**

1. Input a year and check whether a year is leap year or not.
2. Find maximum of three numbers.

**Loop**

1. Printing all even number between 1 and 30.
2. Printing all odd number between 1
3. Input a and 30.number and print the table of that number.
4. Printing numbers between 1 and 100 which are completely divisible by 3 and 5.
5. Find of n numbers.maximum
6. To find number of digits(count ) in a given number.
7. Multiply two numbers without multiply sign ( \* ).
8. Integer division of two number without division operator.
9. Find sum of digits of the given number.
10. Check input number is Armstrong or not.
11. Check input number is palindrome or not.
12. Check input number is prime or not.
13. Input a number and print its reverse.

**Do-While**

47.Print multiplication of digits of any number. For example number **345,** multiplication is **3 \* 4 \* 5 = 60.** use **do-while.**

48. Write a program to display the following, using **do-while** loop

a.) a +1 + b + 2 + c + 3 …….. n

b.) z + y + x + ………. + a

c.) za + yb + xc + …….. + az

1. Write a program to print the multiplication table from 1 \* 1 to 12 \* 10 as shown below:

1 2 3 4 …….. 10

2 4 6 8 ……....20

3 6 9 12 …….30

-

-

1. …………120
2. 1
   * 1. 2
     2. 3 3
     3. 4 4 4
     4. 5 5 5 5

51.

1

1 2

1 2 3

1. 2 3 4 5

53.

5 4 3 2 1

5 4 3 2

1. 4 3
2. 4

5

54 1 2 3 4 5

1 2 3 4

1 2 3

1. 2

1

55. 1 2 3 4 5 4 3 2 1

1 2 3 4 3 2 1

1 2 3 2 1

1 2 1

1

56. 1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

57. 1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

58. 1

1. 1
2. 0 1
3. 1 0 1
4. 0 1 0 1

59. \*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

60. \* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

.

61 \* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

62 \*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

63 \*

\*\*\*

\*\*\*\*\*

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

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

64 \*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

65 \* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

66 \* \* \* \* \*

\* \* \* \*

\* \* \*

\* \*

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

67.Write a program that accepts 10 –ve or +ve numbers and print the sum individually.

68. Write a program that accepts any 10 numbers and print sum of all even and odd

numbers individually.

69. Write a program that accept any name and check that name is palindrome or not.