C++ Class Assignments   dt: 10 -12- 2022

1.	**Mystery number** : Write program to check whether a number is Mystery number or not. A Mystery number is a number that can be represented by sum of two numbers, and the numbers re reverse of each other. **Input** 121 **Output** 29 92 121 is a Mystery number
2.	**Emirp number** : Suppose we have a number n. We have to check whether n is an Emirp number or not. An Emirp number is (letters of prime in backward direction) is a prime number that results in a different prime when its digits are reversed. So, if the input is like n = 97, then the output will be True as the reverse of 97 is 79 which is another prime.
3.	Write a program in C++ to display the multiplication table vertically from 1 to n. Sample Output: Input the number upto: 5 Multiplication table from 1 to 5 1x1=1 2x1=2 3x1=3 4x1=4 5x1=5 1x2=2 2x2=4 3x2=6 4x2=8 5x2=10 1x3=3 2x3=6 3x3=9 4x3=12 5x3=15 1x4=4 2x4=8 3x4=12 4x4=16 5x4=20 1x5=5 2x5=10 3x5=15 4x5=20 5x5=25 1x6=6 2x6=12 3x6=18 4x6=24 5x6=30 1x7=7 2x7=14 3x7=21 4x7=28 5x7=35 1x8=8 2x8=16 3x8=24 4x8=32 5x8=40 1x9=9 2x9=18 3x9=27 4x9=36 5x9=45 1x10=10 2x10=20 3x10=30 4x10=40 5x10=50
4.	Write code to print Star Pattern of (**Your Roll number % 30**)