* **Take all the inputs from user**
* **Write the codes with suitable comments**
* **Send this with in 24 Hrs**
* **Dry Run every code and attach the photos**

**Lecture date 21 July**

**Q1)**Write a C program to take a number as input and print Whether that number is a Strong number or not.

{Note: Strong number is that whose digit’s factorial’s addition is equal

to that number

145 is Strong number = 1 + 24 + 120 = 145}

Input: 145

Output: 145 is Strong number.

**Q2)write a program to print following pattern using nested while loop.**

**1**

**1 2**

**2 3 4**

**4 5 6 7**

**7 8 9 10 11**

**Q3)write a program to print following pattern using nested while loop.**

**5 4 3 2 1**

**8 6 4 2**

**9 6 3**

**8 4**

**5**

**Q4) Write a program in C to make such a pattern like a pyramid with numbers increased by 1. Use nested while loop.**

**1**

**2 3**

**4 5 6**

**7 8 9 10**

**Q5.** Write a program to print following pattern.

a

a b

a b c

a b c d

**Q6)**  Write a program to print a HOLLOW square of user input size using nested while loop (**Perform dry run before running your program**) :

**Example :** For n = 5

\* \* \* \* \*

\* \*

\* \*

\* \*

\* \* \* \* \*

Q7) Write a program to print the tables of 1 to n numbers in reverse order using nested while

Input : 6

Output : 6 12 18 24 …

5 10 15 20 …

.

.

2 4 6 8 10 …

Q.8) Write a program using nested while loop to Print following Pattern.

0

1 0

1 1 0

1 1 1 0

9)write a program to print following pattern using nested while loop.

1

1 0

1 0 1

1 0 1 0

1 0 1 0 1

**10) write a program to print series of prime numbers from entered range. ( Take a start and end number from user )**

**Perform dry run atleast from 1 to 20 …**

**Input :-**

**Enter starting number : 1**

**Enter ending number : 100**

**Output :-**

**Series = 2 3 5 7 11 13 17 19 ….. 89 97**