**Day 02 python programs :**

**CSA0818**

**NAME:Nanda Kishor K**

**Rg.No:192311148**

**#01 Progrm to print right triangle:-**

**Code:**

rows = 5

for i in range(0, rows):

for j in range(0, i + 1):

print("\*", end=' ')

print("\r")

**input: 5**

**output:**

**\***

**\* \***

**\* \* \***

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

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

**#02 Progrm to print left triangle:-**

**Code:**

rows = 5

for i in range(0, rows):

for j in range(0, i + 1):

print("\*", end=' ')

print("\r") sample

**input:5**

**output:**

\*

\* \*

**\* \* \***

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

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

**#03 Program to print pascal triangle :-**

**Code:**

def print\_pascal\_triangle(n):

for line in range(1, n + 1):

C = 1

for i in range(1, line + 1):

print(C, end=" ")

C = C \* (line - i) // i

print()

# Number of rows for Pascal's Triangle

rows = 5

print\_pascal\_triangle(rows)sample

**input:5**

**output:**

1

1 1

1 2 1

1 3 3 1

1. 4 6 4 1

**#04 Remove duplicate elements in the list:-**

**Code:**

A=[1,2,3,3,2,1,2,3,3,3,4,3,2,4]

B=set(a)

C=list(b)

Print(c)

**input**: A=[1,2,3,3,2,1,2,3,3,3,4,3,2,4]

**output:** c=[1,2,3,4]

**#05 Print the duplicate elements and how many times its repeated:-**

**Code:**

a=[1,2,3,4,5,5,3,3,2,2]

b=set(a)

for i in b:

count=a.count(i)

if count>1:

print(f"{i} -{count}times")

**input:** a=[1,2,3,4,5,5,3,3,2,2]

**output:**

2 - 3times

3 - 3times

5 - 2times

**#06 Frequency of characters in a given string:-**

**Code:**

inpu="nanda"

count={i:inpu.count(i) for i in inpu}

print(count)

**Input="nanda"**

**output:**

{'n': 2, 'a': 2, 'd': 1}

**#07 Reverse a string using slicing:-**

**Code :**

A=”simats”

For in range A:

B=a[::-1]

Print(b)

**Input:** A=”simats”

**output:** stamis

**#08 Concanate two strings without using ‘+ ‘ symbol:-**

**Code:**

str1 = "Hello, "

str2 = "World!"

concatenated\_string = str1.join([str2])

print(concatenated\_string)

**input:**

str1 = "Hello, "

str2 = "World!"

**output:** Hello World

**#09 Checking valid email :-**

**Code:**

s=input("enter your email\n")

if '@' in s and "email.com" in s:

print(f"{s} is a valid email")

else:

print(f"{s} is not valid email")

input:

nani69@email.com

output:

[nani69@email.com](mailto:nani69@email.com) is a valid email

**#10 Number of vowels and consonants present in string:-**

Code:

s=”nanda”

p=”aeiouAEIOU”

count=0

count1=0

for char in s:

if char in p:

count+=1

else:

count1+=1

print(“vowels -”,count)

print(“consonents-”,count1)

**input:**nanda

**output:** vowels-2

consonents-3