Python Prac\_Aim2 Name: Gaurav singh Roll No:70

Section: C Batch: C4

2. Write a python program to define a tuple of 10 student's information as roll no., name, address and marks of 3 subjects Physics, Chemistry and Mathematics. The list is sorted by roll no. Your program should display list of three toppers in all students.

3. Python program that displays which letters present in the two strings but not in both

```
In [14]: s1=input("Enter first string:")
    s2=input("Enter second string:")
    a=list(set(s1)^set(s2)) print("The
    letters are:")
    for i in a:
        print(i)

Enter first string:Yash Enter
    second string:Zode The
    letters are:
    h
    Z
    o
    e
    a
    s
    d
    Y
```

4.A List rotation

consists of taking the first element and moving it to the end. Write a python that takes a list L and a positive integer k and generate the list L after k rotations. If K is not positive, it should return L unchanged.lp: L= [1,2,3,4,5] After 1st rotation: list become [2,3,4,5,1] After the 2nd rotation list becomes [3,4,5,1,2]......So on Print output after each rotation. Take the value of k from the user.

```
def listrotation(L, k): k=int(input("Enter
In [9]:
               an integer")) if k<0:
                    return L
              A=L
               while (k>0):
                    temp=A[0]
                    for i in range (len (L)-1):
                         A[i]=A[i+1]
                         A[i+1]=temp
                         k=k-1
                    return A k=int(input("Enter an
          integer:")) for i in range(k+1):
               print(listrotation([1, 2, 3, 4, 5], i))
          Enter an integer:1
          Enter an integer 2[2,
          3, 4, 5, 1]
          Enter an integer3
          [2, 3, 4, 5, 1]
```

print(word\_list)

5. Create a list of tuples, with each tuple having 5 numbers. Perform the addition of 3rd numbers of each tuple

6. Write a python program to Convert a long string to a list and print all the words and their frequencies

```
In [11]: my_string="Hotstar is an Indian brand of subscription video on-demand over-the-top streaming service owned by
    Star India and operated by Disney Media and Entertainment Distribution, bot h a division of The Walt Disney
    Company."
    word_list = my_string.split()
```

by', 'Star', 's' 'of', 'Th e', '2, 1]	, an , Indian , brand India', 'and', 'operated', Walt', 'Disney', 'Company.	, for , subscription, video by, Disney, Media, ar	o, on-demand, overthe-top nd', 'Entertainment', 'Distri 1, 1, 1, 1, 2, 1, 1, 2, 1,	o', 'streaming', 's bution,', 'both', 2, 2, 1, 2, 1, 1,	service, Towns 'a', 'division 1, 1, 1, 2, 1,

```
['Hotstar', 'is', 'an', 'Indian', 'brand', 'of', 'subscription', 'video', 'on-demand', 'over-the-top', 'streaming', 'service', 'owned', 'by', 'Star', 'India', 'and', 'operated', 'by', 'Disney', 'Media', 'and', 'Entertainment', 'Distribution,', 'both', 'a', 'division', 'of', 'Th e', 'Walt', 'Disney', 'Company.']
[1, 1, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 2, 1, 1, 2, 1, 2, 2, 1, 2, 1, 1, 1, 1, 1, 1, 2, 1, 1, 2, 1, 1]
```

In [ ]: