**PYTHON ASSIGNMENT DAY 8**

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**1.Write a python program to print first 10 natural using while loop.**

Ans: i=1

while i<=:10

print(“i=”,i)

i=i+1

**2.Write a python program to sort array element in the ascending order/descending order.**

Ans: *descending order*

arr=[5,2,8,7,1]

temp=0

print(“elements of original array:”)

for i in range(0,len(arr)):

print(arr[i])

for i in range(0,len(arr)):

for j in range(i+1,len(arr)):

if(arr[i]<arr[j]):

temp=arr[i]

arr[i]=arr[j]

arr[j]=temp

print()

print(“elements of array sorted in descending order”)

for I in range(0,len(arr)):

print(arr[i])

*Ascending order*

arr=[5,2,8,7,1]

temp=0

print(“elements of original array:”)

for i in range(0,len(arr)):

print(arr[i],end=” “)

for i in range(0,len(arr)):

for j in range(i+1,len(arr)):

if(arr[i]>arr[j]):

temp=arr[i]

arr[i]=arr[j]

arr[j]=temp

print()

print(“elements of array sorted in descending order”)

for I in range(0,len(arr)):

print(arr[i],end=” “)

**3.Write a python program to find the maximum and minimum number in a list of 10 elements and also find the index position of the following numbers.**

Ans: list=[10,1,2,20,3,20,3,20,75,48,20,50,57]

min=list.index(min(list))

max=list.index(max(list))

print(“position of minimum element”,min)

print(“position of maximum element”,max)

**4.Write a python program to find the intersection of elements from two list.**

Ans: list1=[1,5,4]

list2=[1,2,5]

intersection\_set=set

intersection(set(list1),set(list2))

intersection\_list=list(intersection\_set)

print(intersection\_list)

**5.Write a python program to fetch only email ID from text file which include following fields:**

**\*Name**

**\*Mobile Number**

**\*Roll number**

**\*Email ID**

Ans: def personal\_details():

name="harshitha priya"

mobile\_number=8660901969

roll\_number=321910302044

email\_id="harshithapriya2002@gmail.com"

print("the email of the person is:",email\_id)

personal\_details()