ASSIGNMENT (26-06-2020)

1)Print first 10 natural numbers using while loop

```
a)i=1
while i<=10:
    print(i)
    i+=1
```

Output:

1
2
3
4
5
6
7
8
9
10

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

```
a)numbers=[3,4,1,2,5,20]
numbers.sort()
print(numbers)
```

Output:

[1, 2, 3, 4, 5, 20]

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

```
a)gfg_list=[8,1,7,10,-1,5]
min_ele,max_ele=gfg_list[0],gfg_list[0]
for i in range(1,len(gfg_list)):
```

```python
    if gfg_list[i]<min_ele:
        min_ele=gfg_list[i]
    if gfg_list[i]>max_ele:
        max_ele=gfg_list[i]
print('minimum element in the list',gfg_list,'is',min_ele)
print('maximum element in the list',gfg_list,'is',max_ele)
```
Output:

minimum element in the list [8, 1, 7, 10, -1, 5] is -1

maximum element in the list [8, 1, 7, 10, -1, 5] is 10

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

```python
a)a=[2,3,4,5]
b=[3,5,7,9]
def common(a,b):
    c=[value for value in a if value in b]
    return c
d=common(a,b)
print(d)
```
Output:

[3, 5]

5)Write a python program to fetch only email id from text file which include following field:

- Name
- Mobile number
- Roll number
- Email id

```python
a)name='surya'
mobile_number=7337371617
roll_number=321910302015
emailid="nookasuryaprakashreddy@gmail.com"
print('email id is %s'%
emailid)
```
Output:

email id is nookasuryaprakashreddy@gmail.com