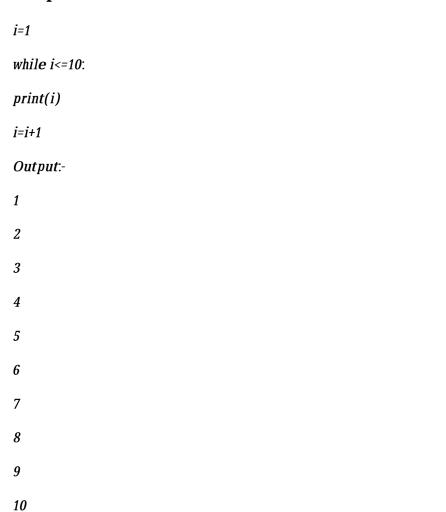
### 1. Program to print first 10 natural numbers using while loop



# 2. Program to sort array elements in the 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 ascending order:"); for i in range(0, len(arr)):
print(arr[i], end="");
Output:-
Elements of original array:
```

Elements of array sorted in ascendingorder. 1 2 5 7 8

#### 3. Program to find the maximum and minimum numbers in a list of 10 elements and to

```
also find the index position of them  def \ minimum(a,n): \ print("Minimum:",min(a))   print("Maximum:",max(a)) \ minpos = a.index(min(a)) \ maxpos =   a.index(max(a))   print("The \ minimum \ is \ at \ position", minpos + 1) \ print("The \ maximum \ is \ at \ position", maxpos + 1)   a = [3,4,1,3,4,5,8,45,60,10]
```

```
minimum(a, len(a))

Output:-

Minimum: 1

Maximum: 60

The minimum is at position 3 The maximum is at position 9
```

# 4. Program to find the intersection of two elements from two lists

```
def intersection(lst1, lst2):

lst3 = [value for value in lst1 if value in lst2] return lst3

lst1 = [4, 9, 1, 17, 11, 26, 28, 54, 69]

lst2 = [9, 9, 74, 21, 45, 11, 63, 28, 26]

print("intersected elements:", intersection(lst1, lst2))

Output:-

intersected elements: [9, 11, 26, 28]
```

### 5. Program to fetch only email ID from text file which include following

```
name
roll number mobile
number Email id
import re
```

s = "Name: Keerthi.B Roll no.:321910302055 Mobile\_no:8088210581

Email\_ID: keerthikiran626@gmail.com" list = re.findall("\S+@\S+",s)

print(list)

Output:-

['Email\_ID: keerthikiran626@gmail.com']