```python
#program to print first 10 natural numbers
i=1
while i<10:
    print(i)
    i=i+1
```

```
1
2
3
4
5
6
7
8
9


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
#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="");
```

```
Elements of original array;
52871
Elements of array sorted in ascending order:
12578


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Press ENTER to exit console.█
```

```python
#program to find the maximum and minimum numbers in a list of
#10 elements and also to 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))
```

```
Minimum: 1
Maximum: 60
The Minimum is at position 3
The Maximum is at position 9


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Press ENTER to exit console.
```

```python
#prgrm to find the intersection of two elements from 2 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))
```

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


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
#prgrm to fetch only emailid from text file which include
#following
#NAME
#roll Number
#mobile Number
#emailid
import re
s = "Name:K.Sai Venkat Roll no:321910302026 Mobile_no:9887654323 Email_id:saivenkat@gmail.com"
list = re.findall("\S+@\S+",s)
print(list)
```

```
['Email_id:saivenkat@gmail.com']


...Program finished with exit code 0
Press ENTER to exit console.
```