

33. Write a python program to multiply all the items in a list
34. Write a Python program to get the Largest number from a list
35. Write a python program to get the least value from a list
36. Write a python program to remove duplicates from a string
37. Reverse a list in python without using inbuilt function and without slicing.

In [103]: `string="python full stack"`
`test="ptfsz"`

```
lis=list(test)

print(lis)
count=0
for i in lis:
    if i in string:
        count+=1

if count==len(lis):
    print("True")
else:
    print("False")
```

executed in 9ms, finished 16:33:42 2024-08-16

`['p', 't', 'f', 's', 'z']`
False

Write a python program to remove duplicates from a string

In [19]: `s="dedication"`

```
unique=""

for i in range(len(s)):
    if s[i] not in unique:
        unique+=s[i]
    else:
        pass

# print("".join(unique))
print(unique)
```

executed in 8ms, finished 08:14:48 2024-08-17

deicaton

Write a Python program to get the Largest number from a list

```
In [24]: l1=[10,22,3,111,35,87,21,1]

maximum=l1[0]

for i in l1:
    if i>maximum:
        maximum=i

print(maximum)
```

executed in 8ms, finished 08:22:15 2024-08-17

111

3.Tuple()

- Tuple is also one of the predefined class and treated as tuple data type.
- Used to store multiple values in it.
- Tuple is immutable

```
In [30]: t1=()
print(t1,type(t1))

t2=(1,2,3,4,5)
print(t2)

t3=1,2,3
print(t3,type(t3))
```

executed in 10ms, finished 08:26:07 2024-08-17

```
() <class 'tuple'>
(1, 2, 3, 4, 5)
(1, 2, 3) <class 'tuple'>
```

Inbuilt Functions

```
In [36]: t1=(1,2,3,4,5,6,3,1,2,3,9)

print(t1[0])
print(t1[0:6])

print(t1.index(3))
print(t1.count(3))
```

executed in 8ms, finished 08:28:34 2024-08-17

```
1
(1, 2, 3, 4, 5, 6)
2
3
```

```
37. input ---> l= [True , 'Zyo', 'Zone' , 'Indigo' , 'Zyo', 100,120,100.54,100,126.2]
```

```
Output --->
```

```
int_data=[100,120,100]
```

```
float_data=[100.54,126.2]
```

```
str_data=['Zyo','Zone','Indigo','Zyo']
```

```
38. input ---> ['10','20','30',"10.5","22.5","100.54","True","Ram","Sham"]
```

```
output ---> [10,20,30,10.5,22.5,100.54,True,"Ram","Sham"]
```

```
39. input--> [[1,2,3],[4,5,6],"hello","bye",[10,55,88,77,66,99],"abc"]
```

```
output--> [1,2,3,4,5,6,"Hello","bye",10,55,88,77,66,99,"abc"]
```

```
40. input --> "silent"
```

```
output --> "eilnst"
```

```
41. Sort the list without using sort method
```

```
42. input---> "The quick brown fox jumps over the lazy dog"
```

```
output --->
```

```
The
The quick
The quick brown
The quick brown fox
The quick brown fox jumps
The quick brown fox jumps over
The quick brown fox jumps over the
The quick brown fox jumps over the lazy
The quick brown fox jumps over the lazy dog.
```

```
37. input ---> l= [True , 'Zyo', 'Zone' , 'Indigo' , 'Zyo', 100,120,100.54,100,126.2]
```

```
Output ---> int_data=[100,120,100] float_data=[100.54,126.2] str_data=
['Zyo','Zone','Indigo','Zyo']
```

```
In [42]: l= [True , 'Zyo', 'Zone',False , 'Indigo' , 'Zyo', 100,120,100.54,100,126.2]

int_data=[]
float_data=[]
str_data=[]
bool_data=[]

for i in l:
    if type(i)==int:
        int_data.append(i)
    elif type(i)==float:
        float_data.append(i)
    elif type(i)==bool:
        bool_data.append(i)
    else:
        str_data.append(i)

print("Int_data=",int_data)
print("Float_data=",float_data)
print("Bool_data=",bool_data)
print("Str_data=",str_data)
```

executed in 11ms, finished 08:36:33 2024-08-17

```
Int_data= [100, 120, 100]
Float_data= [100.54, 126.2]
Bool_data= [True, False]
Str_data= ['Zyo', 'Zone', 'Indigo', 'Zyo']
```

=====

38. input ---> ['10','20','30',"10.5","22.5","100.54","True","Ram","Sham"]

output ---> [10,20,30,10.5,22.5,100.54,True,"Ram","Sham"]

```
In [60]: l=['10.99', '20', '30', "10.5", "22.5", "100.54", "True", "Ram", "Sham", "False"]
12=[]

for i in l:
    if i.isnumeric():
        12.append(int(i))
    elif i.replace(".", "").isnumeric():
        12.append(float(i))
    elif i=="True":
        12.append(True)
    elif i=="False":
        12.append(False)
    else:
        12.append(i)

print(12)
```

executed in 11ms, finished 08:52:01 2024-08-17

[10.99, 20, 30, 10.5, 22.5, 100.54, True, 'Ram', 'Sham', False]

```
In [65]: x=sorted("silent")
print("".join(x))
```

executed in 7ms, finished 08:55:04 2024-08-17

eilnst

```
In [69]: chr(108),ord()
```

executed in 10ms, finished 08:56:44 2024-08-17

Out[69]: 'l'

```
*
* *
* * *
* * * *
* * * * *
```

```
In [75]: for i in range(0,5):
        for j in range(0,i+1):
            print("*",end=" ")
        print()
```

executed in 8ms, finished 09:02:22 2024-08-17

```
*
* *
* * *
* * * *
* * * * *
```

In []: