

Create a list of integers from 1 to 10.

```
n=list(range(1,11))  
print(n)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

How can you access the first element of a list?

```
a=[1,3,5,7,8,9,4]  
print(a[0])
```

```
1
```

Write a Python code to append an element to the end of a list

```
a=[1,3,6,7]  
a.append("reddy")  
print(a)
```

```
[9]
```

```
.. [1, 3, 6, 7, 'reddy']
```

How do you remove the last element from a list?

```
a=[1,6,85,9,8,4,3]  
a.remove(85)  
print(a)
```

```
✓ 0.0s
```

```
[1, 6, 9, 8, 4, 3]
```

How can you find the length of a list?

```
a=[1,5,7,9,3,4]
print(len(a))
```

✓ 0.0s

6

Write a Python program to find the largest number in a list.

```
a=[45,76,83,396,46,27]
n=max(a)
print(n)
```

✓ 0.0s

396

How can you sort a list in ascending order?

```
a=[45,76,83,396,46,27]
a.sort()
print(a)
```

✓ 0.0s

[27, 45, 46, 76, 83, 396]

Write a code to check if an element is present in a list or not.

```
a=[45,76,83,396,46,27]
b=45
if b in a:
    print("present")
else:
    print("not present")
```

✓ 0.0s

present

How do you find the index of an element in a list?

```
a=[45,76,83,396,46,27]
c=a.index(83)
print(c)
```

✓ 0.0s

2

How can you create a list of 5 elements, then remove all of them?

```
a=[45,76,83,396,46,27]
a.clear()
print(a)
```

✓ 0.0s

[]

How can you slice a list to get elements from index 2 to 5

```
a=[45,76,83,396,46,27]
print(a[2:6])
```

✓ 0.0s

[83, 396, 46, 27]

How can you concatenate two lists in Python?

```
a=[45,76,83,396,46,27]
b=[4,7,9,8]
c=a+b
print(c)
```

✓ 0.0s

[45, 76, 83, 396, 46, 27, 4, 7, 9, 8]

How can you copy a list into another list?

```
a=[45,76,83,396,46,27]
b=a.copy()
print(b)
```

✓ 0.0s

[45, 76, 83, 396, 46, 27]

Write a Python program to count the number of times an element appears in a list.

```
a=[45,76,83,396,46,27,83,83]
c=0
for i in a:
    if i==83:
        c+=1
print([i],c)
```

✓ 0.0s

[83] 3

How can you check if a list is empty?

```
a=[]
if len(a)==0:
    print("empty")
else:
    print("not empty")
```

✓ 0.0s

empty

Write a Python program to reverse a string.

```
a="venky reddy"
b=a[::-1]
print(b)
```

✓ 0.0s

ydder yknev

## String Questions:

Create a string variable that holds your name and print it

```
a="reddy"
print(a)
```

✓ 0.0s

reddy

How do you convert a string to uppercase in Python?

```
a="reddy"
b=a.upper()
print(b)
```

✓ 0.0s

REDDY

Write a code to check if a string contains a specific substring.

```
a="venky reddy"
b="reddy"
if b in a:
    print("substring")
else:
    print("not substring")
```

✓ 0.0s

substring

How can you find the length of a string in Python?

```
a="venky reddy"
b=len(a)
print(b)
```

✓ 0.0s

11