Project Work

Vedu Institute



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**Topic: List,Tuple,Set,**

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* **List**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","543"]

print(a)

result: ['Alley', '14', 'Thasikhel', 'Nepal', '543']

1. **append**

**For e.g:**

**a=["Alley","14","Thasikhel","Nepal","Alley","543"]**

**a.append("Lalitpur")**

**print(a)**

result: ['Alley', '14', 'Thasikhel', 'Nepal', 'Alley', '543', 'Lalitpur']

1. **insert**

**For e.g:**

**a=["Alley","14","Thasikhel","Nepal","Alley","543"]**

**a.insert(4,"56")**

**print(a)**

result: ['Alley', '14', 'Thasikhel', 'Nepal', '56', 'Alley', '543']

1. **pop**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

a.pop(0)

print(a)

result: ['14', 'Thasikhel', 'Nepal', 'Alley', '543']

1. **clear**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

a.clear()

print(a)

result:[]

1. **len**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

c=len(a)

print(c)

result:6

1. **copy**

**For e.g:**

m=["Alley","Roshan","Prakash","Bipin","Aayush"]

n=list(m)

print(n)

result: ['Alley', 'Roshan', 'Prakash', 'Bipin', 'Aayush']

1. **extend**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

b=["Alley","Roshan","Prakash","Bipin","Aayush"]

a.extend(b)

print(a)

result: ['Alley', '14', 'Thasikhel', 'Nepal', 'Alley', '543', 'Alley', 'Roshan', 'Prakash', 'Bipin', 'Aayush']

1. **loop of list**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

for i in range(len(a)):

print(a[i])

result: Alley

14

Thasikhel

Nepal

Alley

543

1. **index**

**For e.g:**

a=["Alley","14","Thasikhel","Nepal","Alley","543"]

print(a.index("Nepal"))

result:5

**10.sort**

**For e.g:**

m=["2","3","7","4","1"]

m.sort()

print(m)

result: ['1', '2', '3', '4', '7']

**11.reserve**

**For e.g:**

m=["2","3","7","4","1"]

m.reverse()

print(m)

result: ['1', '4', '7', '3', '2']

* **Tuple**

**For e.g:**

a=("Alley","14","Thasikhel","Nepal","Alley","543")

print(a)

result: ('Alley', '14', 'Thasikhel', 'Nepal', 'Alley', '543')

1. **convert**

**For e.g:**

a=("1","2","3","4")

y=list(a)

y[1]="Alley"

print(y)

result: ['1', 'Alley', '3', '4']

1. **count**

**For e.g:**

a=(1, 5, 7, 5, 4, 6, 8, 5)

b=a.count(5)

print(b)

result:3

1. **index**

**For e.g:**

a=(1, 3, 5, 4, 6, 8, 5)

b=a.index(6)

print(b)

result:4

* **Set**

**For e.g:**

set\_name={1,2,3,True,0,False,4,6,5}

print(set\_name)

result: {0, 1, 2, 3, 4, 5, 6}

1. **add**

**For e.g:**

set\_name={1,2,3,True,0,False,4,6,5}

set\_name.add(12)

print(set\_name)

result: {0, 1, 2, 3, 4, 5, 6, 12}

1. **clear**

**For e.g:**

set\_name={1,2,3,True,0,False,4,6,5}

set\_name.clear()

print(set\_name)

result: set()

1. **copy**

**For e.g:**

set\_name={1,2,3,True,0,False,4,6,5}

b=set\_name.copy()

print(b)

result: {0, 1, 2, 3, 4, 5, 6}

1. **diference**

**For e.g:**

a={1,2,3,0,4,6,5}

b={3,7,4,9}

c=a.difference(b)

print(c)

result: {0, 1, 2, 5, 6}

1. **discard**

**For e.g:**

a={1,2,3,0,4,6,5}

a.discard(6)

print(a)

result: {0, 1, 2, 3, 4, 5}

1. **intersection**

**For e.g:**

a={1,2,3,0,4,6,5}

b={3,7,4,9}

c=a.intersection(b)

print(c)

result: {3, 4}

1. **isdisjoint**

**For e.g:**

a={1,2,3,0,4,6,5}

b={3,7,4,9}

c=a.isdisjoint(b)

print(c)

result:False

1. **issubset**

**For e.g:**

a={1,2,3,0,4,6,5}

b={3,7,4,9}

c=a.issubset(b)

print(c)

result:False

1. **issuperset**

**For e.g:**

a={3,0,4,1,5,3}

b={3,4}

c=a.issuperset(b)

print(c)

result:True

**10.pop**

**For e.g:**

a={1,2,3,0,4,6,5}

a.pop()

print(a)

result: {1, 2, 3, 4, 5, 6}

**11.symmetric\_differnce**

**For e.g:**

a={3,0,4,1,5,9}

b={3,4}

c=a.symmetric\_difference(b)

print©

result: {0, 1, 5, 9}

**12. union**

**For e.g:**

a={3,0,4,1,5,9}

b={3,4}

c=a.union(b)

print©

result: {0, 1, 3, 4, 5, 9}

**13. update**

**For e.g:**

a={3,0,4,1,5,9}

b={3,4,7}

a.update(b)

print(a)

result: {0, 1, 3, 4, 5, 7, 9}

Thank you