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21/08/25 Om Sii Sai Kain
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(1) find outputs

a = 25, 10.8, 3+4j, H4d, Tim, None, H4d, 25

print(a) # (25,10.8, 3+4j, 1+4d', Time, None, 1+4d', 25)

print(type(a)) # <class Tuple >

a[3] = 'Sec' # Error, Because Tuple is immutable.

a[3:6] = 60, 70,80 # Ciror.

## 2) find outputs

a = (1,2,3) # Tuple object b = (4,5,6) # Tuple object.

Print(a, idla) # (1,2,3), memory address.

Jetha a += b # Tuple is immutable, Assign to (1,2,3,4,5,6)
soil print (a, id (a)) # (1,2,3,4,5,6)

Gelen

3) find outputs

a=(1,2,3) # α is \carinble, Tuple is object (1;2,3) b=(4,5,6) # New tuple (4,5,6)

print (a, id(a)) # (1,2,3) memory eddress

a = a+b # a+b is an New tuple -) (1,2,3,4,5,6)

print (a, id(a)) # (1,2,3,4,5,6)

) What are the outputs if input is (10, 20, 30, 40)?

a = input ('Enter Tuple:') =# (10, 20, 30, 40)

Print(a) # (10, 20, 30, 40)

Print (type (a)) # < class | str !>

```
b=eualia) # (10,20,30,40)

print(b) # (10,20,30,40)

print(type(b)) # < class / str >

print(len(b)) # 4
```

- 5) Find outputs

  a=(10,[20,30,40],50,60) # TUPLE in list

  a[i][o]:70 # (10,[70,30,40],50,60)

  print(a) # (10,[70,30,40],50,60)

  a[i]:[80,90] 100] # Error, Because Tople is immulable

  print(a) # Elror.
- 6 find outputs

  α = [10, (20,30,40),50,60] # α is an list

  α[][0]=70 # Error, Because Tuple are immutable object

  print(ω) # Error

  α[]=[80,90] # Greer

  print(a) # Greer

  [10, [80,90], 50,60]
- (7) I'md outputs

  X=25,10.8, 'H4d', Tim

  a, b, c, a = X # 25,10.8, 'H4d', True

  print(a) # 25

  print(b) # 10.8

  print(c) # 144d1
  - print(d) # 'True'

    p.q. r = x # Error, Because Umpack Elements. To many dum

    a,b,c,d,e: x Herror not enough value to unpack

```
8) find outputs

a = 25 # int

b = 10.8 # float

C = 'Hyd' # string

d = Time # bool

x = a,b,c,d

print(x) # (25,10.8, 1 Hyd', True)

print(type(x)) # < class 'Tuple!
```

## 9) find outputs X= 25, 10.8, 'Hyd, True # Unpacking, Tuple a,\*b,c=x # 25, True, [10.8, 1 Hyd] print(a) # 25 print(b) # [10.8, 1 Hyd] print(c) # True

```
D findoutputs
x=25,10.8, 'H4d, Time, 3+4j オTuple

a,b,-,d,-=× 井 25,10.8, 'H4d', True, 3+4j

print(a) 井 25

print(b) 村 10.8

print(-) 井 3+4j 年音
```

Print(d) # True Print(-) # 3+4i

(12) Tuple (1) function demo program

a=range (100, 150, 10) # rarge object

b=tuple(a) # (100, 110, 120, 130, 140)

print(b) # (100, 110, 120, 130, 140)

print(type(b)) # < class 'Tuple'>

(=(10, 30, 15, 18)

d=tuple(()

print(d) # (10, 20, 15, 18))

e=tuple('clamsi')

print(e) # ('va', 'm', 's', 'i')

print(tuple(25)) # Error, Be cause 25 is on int, not sequence

print(tuple(1)) # Empty tuple

Methods

only two methods 1) count 2> index

hi reddy