pythonLab4

September 29, 2021

[ ]:

```
myTuple = ("hello" , 123 , 123.45 , b"hello")

print(myTuple)
```

```
('hello', 123, 123.45, b'hello')
```

[ ]:

```
# tuple is a immutable object , you need to specific all the elements at the␣
 ↪creation time only
```

[ ]:

```
print(str(myTuple))
```

```
('hello', 123, 123.45, b'hello')
```

[ ]:

```
myTuple = (1,2,3,4,5,6,7,8,9)

# 4th element from front
print(myTuple[4])

# 4th element from last
print(myTuple[-4])
```

```
5
6
```

[ ]:

```
# repeated items in tuple
myTuple = (1,2,4,5,4,6,2,1,35,8)

result = []

for i in set(myTuple):
    iCount = myTuple.count(i)

    if(iCount > 1):
        result.append([i , iCount])

print(result)
```

```
[[1, 2], [2, 2], [4, 2]]
```

```
[ ]: myTuple = (1,2,4,5,4,6,2,1,35,8)


     def searchInTuple(toSearch):

         # using index method
         try:
             indexOfElement = myTuple.index(toSearch)
             print("element found at index =" , indexOfElement)
         except ValueError:
             print("element not found")


         print('\n-------------------------\n')

         # using normal searching
         found = False

         for i,j in enumerate(myTuple):
             if(j == toSearch):
                 found = True
                 print("element found at index =" , i)

         if(not(found)):
             print("element not found")


     searchInTuple(4)
     print("\n\n________________________\n\n")
     searchInTuple(7)
```

```
element found at index = 2

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element found at index = 2
element found at index = 4


________________________


element not found

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element not found
```

[ ]:

```
myList = [1,2,4,5,54968,415,13,45,6]

myTuple = tuple(myList)

print(myTuple)
```

```
(1, 2, 4, 5, 54968, 415, 13, 45, 6)
```

[ ]:

```
# 2 is inclusive and 4 is exclusive
print(myTuple[2:4])
```

```
(4, 5)
```

[ ]:

```
print(len(myTuple))
```

```
9
```

[ ]:

```
myList = [
    (1,2,3) ,
    (4,5,6) ,
    (7,8,9)
]

myDict = {}

for i,j in enumerate(myList):
    myDict[i] = j

print(myDict)
```

```
{0: (1, 2, 3), 1: (4, 5, 6), 2: (7, 8, 9)}
```

[ ]: