Operation on Tuples in python

Manipulating Tuples

Tuples are immutable, hence if you want to add or change tuple items. Then first you must convert the tuple to a list. Then perform operation on that list and convert it back to tuple.

Example:

```
countries=("Pakistan","india","England","Germany")
temp=list(countries)
print(temp)
print(type(temp))
temp.append("Russia")
print(temp)
temp.pop(1)
print(temp)
countries=tuple(temp)
print(countries)
print(type(countries))
```

```
l4=["Munawar",1,"Hussain",1122]
print(l4)
l4.insert(1,148)
print(l4)
l4.insert(1,"Johar")
print(l4)
```

Tuple methods

As tuple is immutable type of collection it have limited built in methods. They are explained in below.

count () method

The method returns the count of the number of items with the given element appear in the tuple.

Example

```
countries=("Pakistan","india","England","Germany","Pakistan")
print(countries.count("Pakistan"))
```
return 2

index () Method

This method returns the index of the first occurrence of the given element from the tuple.

Example:

```
countries=("Pakistan","india","England","Germany","Pakistan")
#print(countries.count("Pakistan"))
print(countries.index("Pakistan"))
```

Len methods

Len method return the length of tuple.

Example:

```
countries=("Pakistan","india","England","Germany","Pakistan")
print(len(countries))
```

Source Code

```
# countries=("Pakistan","india","England","Germany")
# temp=list(countries)
# print(temp)
# print(type(temp))
# temp.append("Russia")
# print(temp)
# temp.pop(1)
```

```python
# print(temp)
# countries=tuple(temp)
# print(countries)
# print(type(countries))

countries=("Pakistan","india","England","Germany","Pakistan")
# #print(countries.count("Pakistan"))
# print(countries.index("Pakistan"))

# tuple1=[1,2,3,2,3,5,4,32]
# res=tuple1.index(3,4,8)
# print(3)
print(len(countries))
```

Thank You