Python Tuple Exercise

1: Reverse the following tuple

```
aTuple = (10, 20, 30, 40, 50)
```

Expected output:

```
(50, 40, 30, 20, 10)
```

2: Access value 20 from the following tuple

```
aTuple = ("Orange", [10, 20, 30], (5, 15, 25))
```

Expected output:

```
20
```

3: Create a tuple with single item 50

4: Unpack the following tuple into 4 variables

```
aTuple = (10, 20, 30, 40)
```

Expected output:

```
aTuple = (10, 20, 30, 40)

# Your code

print(a) # should print 10

print(b) # should print 20
```

```
print(c) # should print 30

print(d) # should print 40
```

5: Swap the following two tuples

```
tuple1 = (11, 22)
tuple2 = (99, 88)
```

Expected output:

```
tuple1 = (99, 88)

tuple2 = (11, 22)
```

6: Copy element 44 and 55 from the following tuple into a new tuple

```
tuple1 = (11, 22, 33, 44, 55, 66)
```

Expected output:

```
tuple2: (44, 55)
```

7: Modify the first item (22) of a list inside a following tuple to 222

```
tuple1 = (11, [22, 33], 44, 55)
```

Expected output:

```
tuple1: (11, [222, 33], 44, 55)
```

8: Sort a tuple of tuples by 2nd item

```
tuple1 = (('a', 23),('b', 37),('c', 11), ('d',29))
```

Expected output:

```
(('c', 11), ('a', 23), ('d', 29), ('b', 37))
```

9: Counts the number of occurrences of item 50 from a tuple

```
tuple1 = (50, 10, 60, 70, 50)
```

Expected output:

2

10: Check if all items in the following tuple are the same

```
tuple1 = (45, 45, 45, 45)
```

Expected output:

True