1. Write a python script to store multiple items in a single variable ( Items are “Java”,“Python”, “SQL”, “C” ) using t uple

```
t=("java","python","SQL","c")
print(t)
print(type(t))
```

2. Write a python program to store only one item using tuple.

```
t=("java",)
print(t)
print(type(t))
```

3. Write a python program to reverse the tuple.

```
t=("java","python")
print(t[-1::-1])
print(type(t))
```

4. Write a python program to Swap two tuples in Python.

```
t1=("java","python")
t2=("c","cpp","javascript")
t1,t2=t2,t1
print(t1,t2)
```

5. Write a python program to check if all items in the tuple are the same.

```
t=(4,6,7,9)
print(all(x==t[0] for x in t))
```

6. Write a python program to divide the tuple into four variables.
tuple1=(100, 200, 300, 400)

```
tuple1=(100,200,300,400)
p,q,r,s=tuple1
print(p,q,r,s,end=' ')
```

7. Write a python program to copy elements 4 and 5 from the following tuple into a new tuple.
tuple1=(1,2,3,4,5,6)

```
tuple1=(1,2,3,4,5,6)
tuple2=tuple1[3],tuple1[4]
print(tuple2)
```

8. Write a python program to Sort a tuple of tuples by the second item.
tuple1 = (('a', 21),('b', 37),('c', 11), ('d',29))

```
tuple1 = (('a', 21),('b', 37),('c', 11), ('d',29))
l1=list(tuple1)
l2=l1.sort(key=lambda item:item[1])
print(l1)
```

9. Write a python program to print the value 20 from given nested tuple
tuple1 = ("Python", [10, 20, 30], (2, 4, 16))

```
tuple1=("python",[10,20,30],(2,4,16))
print(tuple1[1][1])
```

10. Write a python program to change the first item (22) of a list within the following tuple to 222.
tuple1 = (11, [22, 33], 44, 55)

```
tuple1=(11,[22,33],44,55)
tuple1[1][0]=222
print(tuple1)
```