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| Course Code: CSE316 |

List, tuple related experiments | Lab Report 1

#Tuple Related Experiment

```
tpl = ()
print('Enter an integer to add to the tuple. Enter 0 to stop.')
while True:
    num = input("Enter a number: ")
    if num == '0':
        break
    try:
        num = int(num)
    except:
        print("Invalid input")
        continue
    tpl = tpl + (num, )
print(tpl)
```

#List Related Experiment

```
lst = []
print('Enter an integer to add to the list. Enter 0 to stop.')
while True:
    num = input("Enter a number: ")
    if num == '0':
        break
    try:
        num = int(num)
    except:
        print("Invalid input")
        continue
    lst.append(num)
print(lst)
```

#List to tuple

```
lst = []
for i in range (10):
    lst.append(i)
print('List :', lst)
tpl = tuple(lst)
print('Tuple :', tpl)
```

#Tuple to list

```
tpl = ()
for i in range (10):
    tpl = tpl + (i, )
print('Tuple :', tpl)
```

```
lst = list(tpl)
print('List :', lst)

Tuple : (0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
List : [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
```