```python
In [59]: #Counting no of lines,tabs and spaces
         lines=1
         tabs=0
         spaces=0
         try:
             f = open("trial2.txt", "r")
             file2=f.read()
             f.close()
             for char in file2:
                 #print(char)
                 if char==" ":
                     spaces+=1
                 if char=="\t":
                     tabs+=1
                 if char=="\n":
                     lines+=1
         except:
             print("File not Found or in Write mode")
         # f = open("trial2.txt", "r")
         # #file=f.readline(0)
         # for line in f:
         #     print(line)
         #     lines+=1

         print("Total no of lines are",lines)
         print("Total no of tabs are",tabs)
         print("Total no of spaces are",spaces)

         Total no of lines are 5
         0
         18
```

```python
In [6]: #Writing to the file for first exp
        message = "something 1\n\tsomething 2\nsomething 3\n\tSomething 4\nsomething 5\n\tsomething 6"
        f = open("trial2.txt", "w")
        file2=f.write(message)
        f.close()
```

```python
In [5]: #Using pickle module to unpickle and sort cities
        import pickle
        l=[tuple(line.strip().split("\n")) for line in open('cities_and_times.txt','r')]
        l.sort()
        # print(len(l))
        dump=open("dump","wb")
        pickle.dump(l,dump)
        dump.close()

        ####now save thisfile and if you want to load just run the following snippets in new file
        load=open("dump","rb")
        print(pickle.load(load))
```

```
[("('Amsterdam', 'Sun', (8, 52))",), ("('Anchorage', 'Sat', (23, 52))",), ("('Ankara', 'Sun',(10, 52))",), ("('Athens',
'Sun', (9, 52))",), ("('Atlanta', 'Sun', (2, 52))",), ("('Auckland', 'Sun',(20, 52))",), ("('Barcelona', 'Sun', (8, 5
2))",), ("('Beirut', 'Sun', (9, 52))",), ("('Toronto', 'Sun', (2, 52))",), ("('Vancouver', 'Sun', (0, 52))",), ("('Vien
na', 'Sun', (8, 52))",), ("('Warsaw', 'Sun', (8, 52))",), ("('Washington DC', 'Sun', (2, 52))",), ("('Winnipeg', 'Sun',
(1, 52))",), ("('Zurich', 'Sun', (8, 52))",)]
```

```python
In [82]: #shuffling cities
         import random
         l=[tuple(line.strip().split("\n")) for line in open('cities_and_times.txt','r')]
         random.shuffle(l)
         print(l)
```

```
[("('Atlanta', 'Sun', (2, 52))",), ("('Washington DC', 'Sun', (2, 52))",), ("('Auckland', 'Sun',(20, 52))",), ("('Toron
to', 'Sun', (2, 52))",), ("('Vancouver', 'Sun', (0, 52))",), ("('Anchorage', 'Sat', (23, 52))",), ("('Amsterdam', 'Su
n', (8, 52))",), ("('Winnipeg', 'Sun',(1, 52))",), ("('Vienna', 'Sun', (8, 52))",), ("('Ankara', 'Sun',(10, 52))",), ("
('Athens', 'Sun', (9, 52))",), ("('Beirut', 'Sun', (9, 52))",), ("('Barcelona', 'Sun', (8, 52))",), ("('Zurich', 'Sun',
(8, 52))",), ("('Warsaw', 'Sun', (8, 52))",)]
```