

### Practice 13 – while loop with files

**Task 01:** File 'nums.txt' has 10000 integers. Read integers and find their average. Your answer should be:

**Average: 4.9937**

**Task 02:** File 'nums.txt' has 10000 integers. Read integers. Count and print occurrences of integers 1 to 9. Your answer should be:

**Count of 1: 1141**

**Count of 2: 1126**

**Count of 3: 1088**

**Count of 4: 1115**

**Count of 5: 1066**

**Count of 6: 1142**

**Count of 7: 1068**

**Count of 8: 1124**

**Count of 9: 1130**

**Task 03:** Repeat previous task and write count into another file name 'counts.txt'. File should contain counts only, no other text like:

**1141**

**1126**

**Task 04:** Read file 'counts.txt'. Read counts and add them to check whether it is equal to 10000

**Task 05:** Read file letters.txt'. Read count of each alphabet including both capital (A to Z) and small alphabets (a to z). Print count of each alphabet:

**Note 1: use strip function to remove new line character**

```
file.readline().strip('\n')
```

**Sample Output:**

**Count of A: 297**

**Count of B: 53**