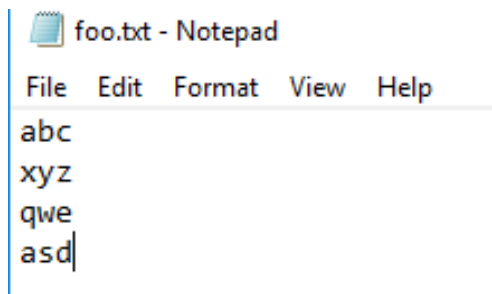


ITC LAB #11-C

LAB TASK

1. Write a python **function** that takes dictionary as a parameter your function should print all the keys and values of the dictionary and **return the sum** all the items (Values) in a dictionary. Check if the return value is even your program should **print "SUM IS EVEN"** otherwise it should **print "SUM IS ODD"** (Donot use any built-in function)
2. The file names.txt contains a list of names, one per line. (10 Name)
 - a. Write a program that start printing the content of file(names.txt) after 4 characters
 - b. Write a program that reads in this list from names.txt and prints the longest name.
 - c. Write a program that prints the sum of the lengths of the names in names.txt.
 - d. Write a program that prints the average of the lengths of the names in names.txt.
 - e. Write a program that reads in the names in names.txt and writes out a file at name_subj.txt containing the names along with subject's name, one per line, in the corresponding order.

Input file:



```
foo.txt - Notepad
File Edit Format View Help
abc
xyz
qwe
asd
```

Output file:

```
boo.txt - Notepad
File Edit Format View Help
abc    Programing Fundamental lab, programming Fundamental, English Composition, Calculus-1
xyz    Programing Fundamental lab, programming Fundamental, English Composition, Calculus-1
qwe    Programing Fundamental lab, programming Fundamental, English Composition, Calculus-1
asd    Programing Fundamental lab, programming Fundamental, English Composition, Calculus-1
|
```

- f. Write a python **function** that reads in the names in names.txt and prints all the names that have the length given as a parameter e.g print_name(5)

Input file

```
foo.txt - Notepad
File Edit Format View Help
Ali
Arif
Aaqib
Haider
Nouman
Farman
```

Output:

```
In [51]: print_name(6)

Haider
Nouman
Farman
```

- g. Rename the name of a file names.txt to student.txt