

Assignments for 18-Dec-17

1. Write a program in Python to accept user input (strings) until user enters "end" and store that in file (No need of string "end" to store). Read the contents of file through program and print the output.
2. Assume that you have file employees.txt containing employee name and employee id, say for example,

Jagdish:VT-709

Priya:VT-528

...

Write a program in Python to read the employee name from user and print the employee ID

3. Write a program in Python to perform the following:
 - Write a function `count_words_in_file()` to return number of whitespace separated words in a given file
 - Write a function `sum_numbers_in_file()` to return sum of numbers (integers separated by white space) in a given file

Include main to test the above functions.

4. Write a program in Python to implement command line arguments with options. This has to be something like this.

Generate a file called input.txt (or whatever required name), this has to have one number each line. Read the contents of file, sum the numbers and display the sum in the file as provided by user (say output.txt). User has to execute the program as following

```
$ ./find_sum_from_files -i input.txt -o output.txt
```

If user not enters other than i and o options with values or with -h, display help message such as for all the below cases

```
$ ./find_sum_from_files -i
```

```
$ ./find_sum_from_files -i input.txt
```

```
$ ./find_sum_from_files -i input.txt -o
```

```
$ ./find_sum_from_files -o output.txt
```

```
$ ./find_sum_from_files -h
```

```
$ ./find_sum_from_files -x
```

Handle errors or invalid inputs using exceptions.

5. Write a program in Python to read a sample csv file and print the values