**10/03/2019**

fd = open("hello\_universe.py")

>>> fd.fileno()

3 #for every system by default opens 3 files(stdin,stdout,)

>>> fd1=open("NEWS.txt")

>>> fd1.fileno()

4

**#WAP to read file of petrol prices in Maharashtra, Goa and Karnataka**

**Jan 2015 81 67 84**

**Feb 2015 79 66 82**

**Mar 2015 78 65 81**

**Apr 2015 77 64 80**

**Output average petrol price for each state to an output file named petrol\_avg\_out.txt**

#WAP to read file of petrol prices in Maharashtra, Goa and Karnataka

def PetrolAvg(inputFileName,outputFileName):

fd=open(inputFileName)

Mh=Ga=Ka=count=0

line=fd.readline()

if line != 'None':

while line!='':

splittedLine=line.split(" ")

count+=1

Mh=Mh+int(splittedLine[2])

Ga=Ga+int(splittedLine[3])

Ka=Ka+int(splittedLine[4])

line=fd.readline()

fd1=open(outputFileName,"w")

fd1.write("Maharashtra avg : {}, \nGoa avg : {}, \nKarnataka avg : {} \n".format(str(Mh/count),str(Ga/count),str(Ka/count)))

fd.close()

fd1.close()

def main():

inputFileName=input("Enter input file name")

outputFileName=input("Enter output file name")

PetrolAvg(inputFileName,outputFileName)

if \_\_name\_\_=='\_\_main\_\_':

main()

**#WAP to accept file name from user and print its statistical information like type of file,size of file, permissions. (use stat/fstat system call)**

**#WAP to accept file name from user and number of lines to copy to another file ( Use command line argumets )**

**#Study argparse module**

**#WAP to accept a folder name from user and create zip file out of it.**

**(hint: import shutil)**

**#Study File handling module : fileinput, filecmp, tempfile**