Practical List

**Q12** File Handling

***Code***

f = open("text.txt", "w")

f.write("Neither apple nor pine are in pineapple. Boxing rings are square.\nWriters write, but fingers don't fing. Overlook and oversee are opposites.\nA house can burn up as it burns down. An alarm goes off by going on.\n")

f.close()

f = open("text.txt", "a+")

f.seek(0)

print(f.read())

f.write("People in Poland are called Poles but people in Holland are not called Holes.\n")

f.seek(0)

lineno = 1

for i in f:

print(lineno,":",i)

lineno += 1

f.seek(0)

print("Last line:",f.readlines()[-1])

f.seek(9)

print(f.readline())

lineno = int(input("Enter line number: "))

f.seek(0)

print(f.readlines()[lineno-1])

d = {}

f.seek(0)

for i in f.readlines():

for j in i.split():

j = j.lower()

if j[0] not in d:

d[j[0]] = 1

else:

d[j[0]] += 1

for i in d.items():

print("Words beginning with",i[0],":",i[1])

***Output***





**Q13** File Handling

***Code***

a = input("Enter filename: ")

def isvowel(f1):

f1 = open(f1)

f2 = open("file2.text","w")

 for i in f1.readlines():

for j in i.split():

if j[0] not in "aeiouAEIOU":

f2.write(j+" ")

f1.close()

f2.close()

isvowel(a)

**Q14** File Handling

***Code Output***

f = open("data.txt", "r")

l = f.readlines()

for i in range(len(l)):

l[i] = tuple(l[i].split())

def sortNew(n):

 return n[2]

l.sort(key = sortNew)

d = {}

print("People with Experience less than 3 years:")

for i in l:

if int(i[3]) < 3:

print(i[0], i[1])

if i[4] in d:

d[i[4]] += 1

else:

d[i[4]] = 1

print()

for i in d.items():

print(i[0],":",i[1])

**Q15** File Handling

***Code Output***

f = open("myfile.txt", "r")

d = {}

words = 0

for i in f.readlines():

for j in i.split():

 if j.lower() in d:

d[j.lower()] += 1

else:

d[j.lower()] = 1

for i in d.values():

words += i

print("Total number of words:", words)

print("Number of different words:", len(d.keys()))

maxword, maxcnt = "", 0

for i in d.items():

if i[1] > maxcnt:

maxcnt = i[1]

maxword = [i[0]]

elif i[1] == maxcnt:

maxword.append(i[0])

print("Most common word(s) is/are:", maxword)

d1 = {}

for i in d:

if len(i) in d1:

d1[len(i)].append(i)

else:

d1[len(i)] = [i]

def find\_longest\_word():

return d1[max(d1)]

print("Longest word(s) is/are:",find\_longest\_word())

l2 = []

def filter\_long\_words(n):

print("Words longer than", n, "are:")

for i in d1:

if i > n:

l2.extend(d1[i])

print(d1[i])

filter\_long\_words(8)

f.seek(0)

l = f.read().lower().split()

f1 = open("newfile.txt","w")

for i in l:

if i not in l2:

f1.write(i)

f1.write(" ")

f1.close()