Class XII Computer Science

13-04-2020

Ex: 11

A text file class9.txt is stored with name and aggregate marks of students who have passed in class 9 (descending order of aggregate marks). Write a python program to create 3 files names class10A.txt, class10B.txt, and class10C.txt from class9.txt by equally distributing the students.

Example:

class9.txt

Rohit 98.4

Akash Bandyopadhyay 98.4

Anurag Joshi 98.3

Pranav Nair 97.0

Kartik Pathak 97.0

Dipayan Nag 96.5

Mayurnath 96.2

Gayathri 96.1

Shifa Majeed 96

Samya Kazmi 95

Rizwan Mohammed Numan 95

class10A.txt

Rohit 98.4

Dipayan Nag 96.5

Mayurnath 96.2

class10B.txt

Akash Bandyopadhyay 98.4

Kartik Pathak 97.0

Gayathri 96.1

Rizwan Mohammed Numan 95

class10C.txt

Anurag Joshi 98.3

Pranav Nair 97.0

Shifa Majeed 96

Samya Kazmi 95

Ex: 12

A text file coordinate.txt contain the following text in it:

Do less Thinking and pay more attention to your heart.

Do less Acquiring and pay more Attention to what you already

have. Do less complaining and more Attention to giving.

Do less criticizing and pay more Attention to

Complementing. Do Less talking and Pay more attention to

SILIENCE.

Write function in python to count the number of words having first character capital.

Ex.13

Write a python program to read sentence from a text file Sentence.txt, a sentence which may be terminated by either " . " , " ? " or " ! " only. The words of sentence are separated by single blank space and are in UPPER CASE. Decode the words according to their potential and arrange them in ascending order of their potential strength and display it.

Test your program with the following data and some random data:

Example 1:
INPUT: HOW DO YOU DO?
OUTPUT: HOW = 238
DO = 147
YOU = 253
DO = 147
DO DO HOW YOU

Example 2:
INPUT: LOOK BEFORE YOU LEAP.
OUTPUT: LOOK = 309
BEFORE = 435
YOU = 253
LEAP = 290
YOU LEAP LOOK BEFORE

Example 3:
INPUT: HOW ARE YOU#
OUTPUT: INVALID INPUT (do not display)

Ex.No: 14

Write a menu driven program to perfom following file operations using a binary file product.pdf

 1. Adding a new product (productid,productname, unitprice,quantity) - tuple

 2. searching a product using productid

 3.displaying the product details whose unitprice <10

 4. delete the products whose quantity is <10

 5. decrease the unitprice of the products by 3 whose quantity is

 >=10 Ex.No: 15

Aditi has used a text editing software to type some text. After saving the article as **WORDS.TXT**, she realised that she has wrongly typed alphabet J in place of alphabet I everywhere in the article.

Write a function definition for **JTOI**() in python that would display the corrected version of entire content of the file **WORDS.TXT** with all the alphabets "J" to be displayed as an alphabet "I" on screen.

Note : Assuming that **WORD.TXT** does not contain any J alphabet otherwise. Example :

If Aditi has stored the following content in the file **WORDS.TXT :**