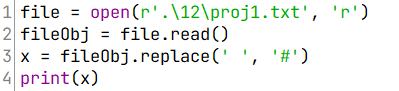
PRACTICAL:1

Read a text file line by line and display each word separated by a #.

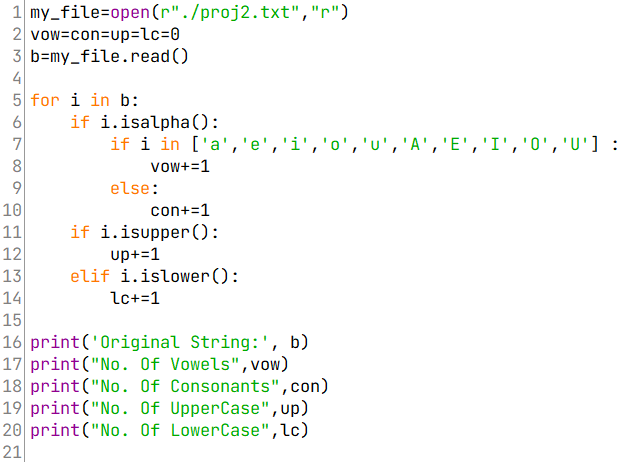


OUTPUT:

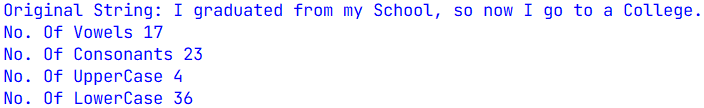


PRACTICAL:2

Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file.



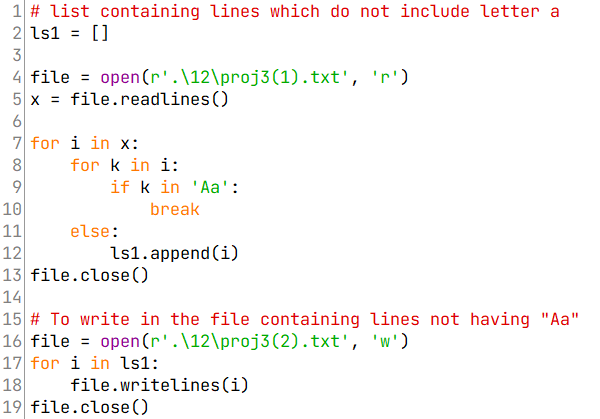
OUTPUT:



PRACTICAL:3

Remove all the lines that contain the character 'a' in a file

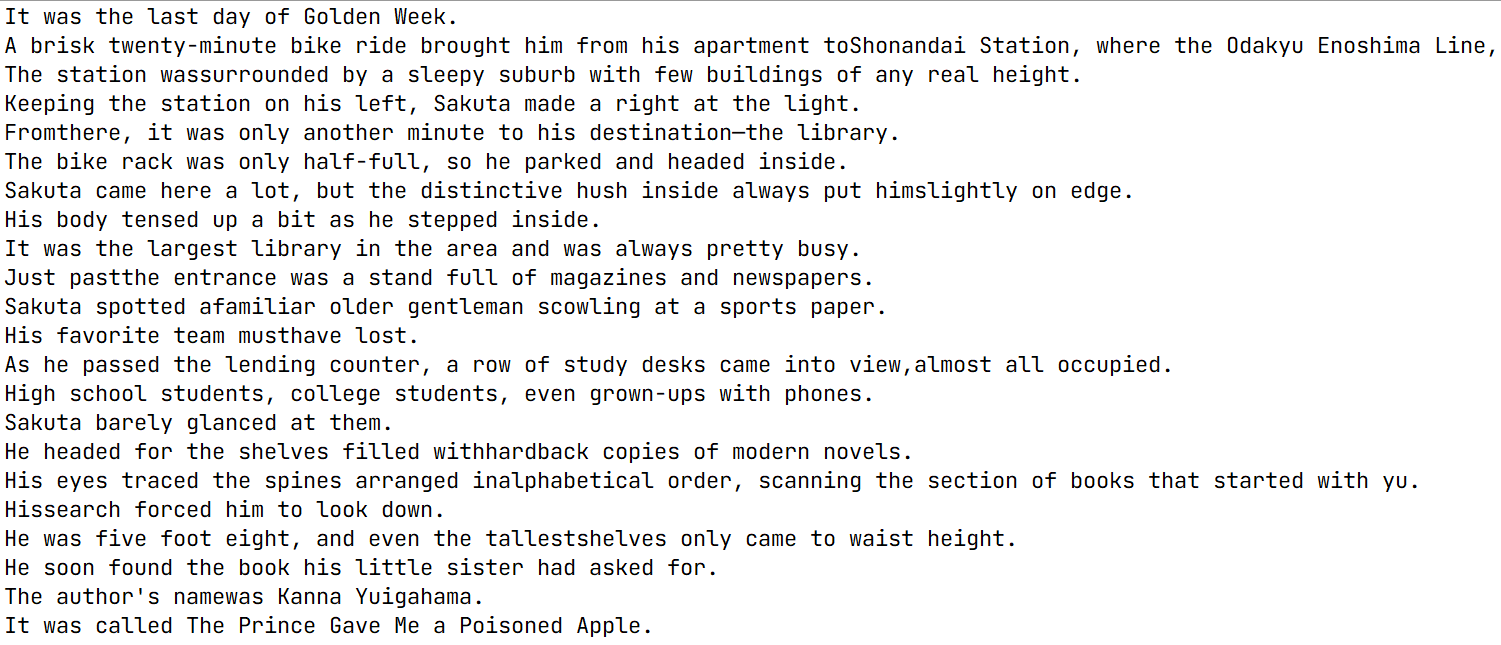
and write it to another file.



P.T.O

OUTPUT:

ORIGINAL FILE:



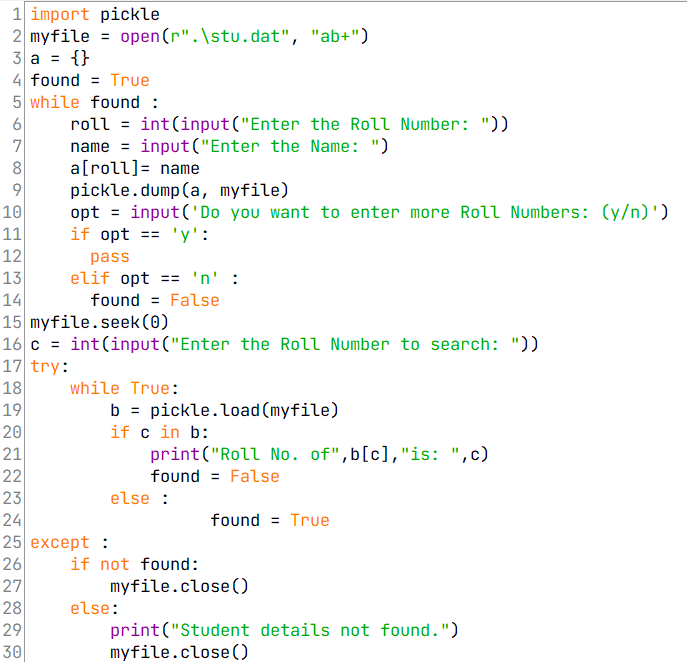
OUTPUT FILE (without Aa):



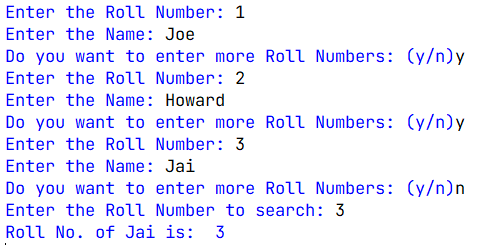
P.T.O

PRACTICAL:4

Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.



OUTPUT:

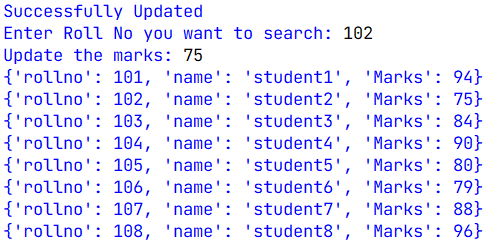


PRACTICAL:5

Create a binary file with roll number, name and marks. Input a roll number and update the marks.

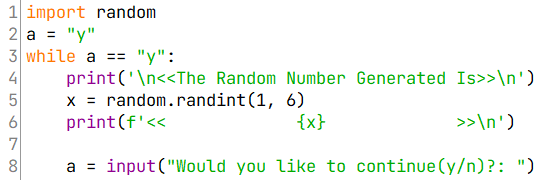


OUTPUT:

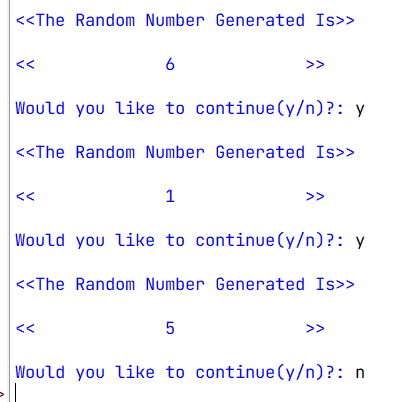


PRACTICAL:6

Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).



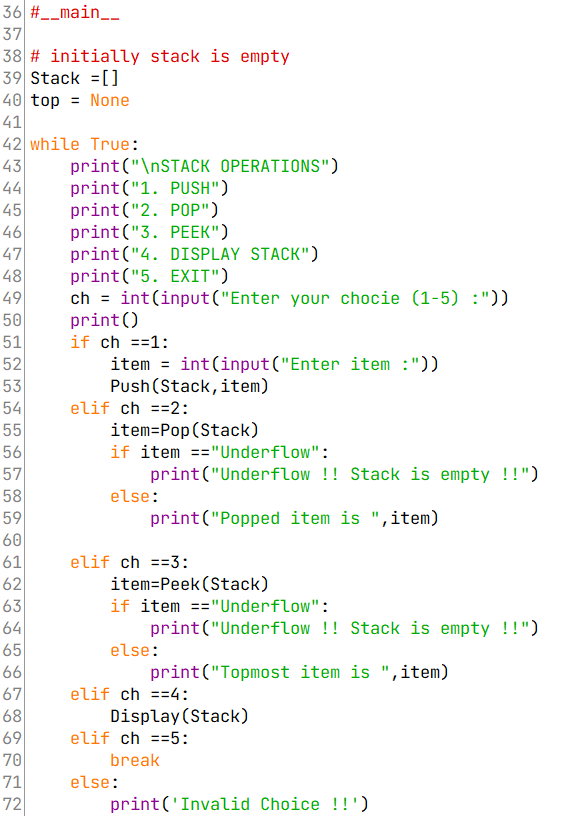
OUTPUT:



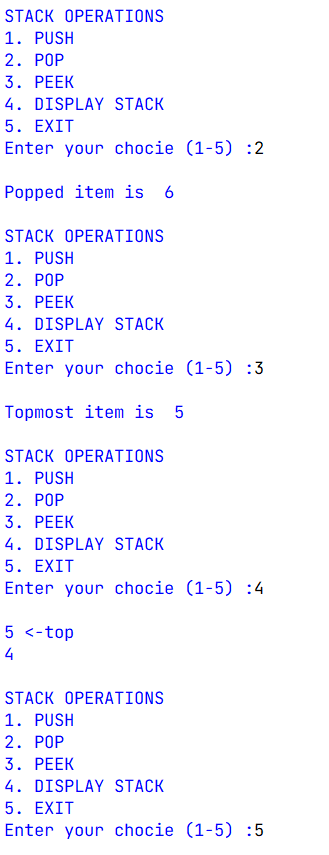
PRACTICAL:7

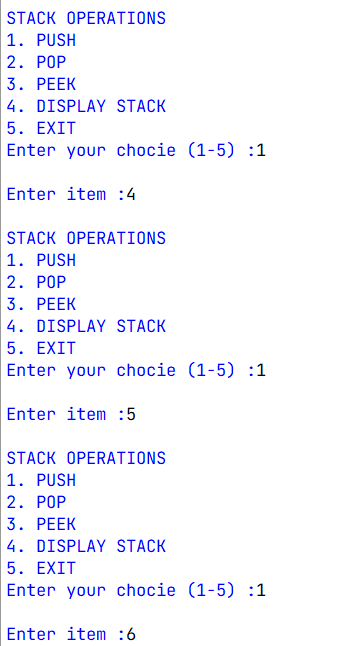
Write a Python program to implement a stack using list.





P.T.O

OUTPUT:

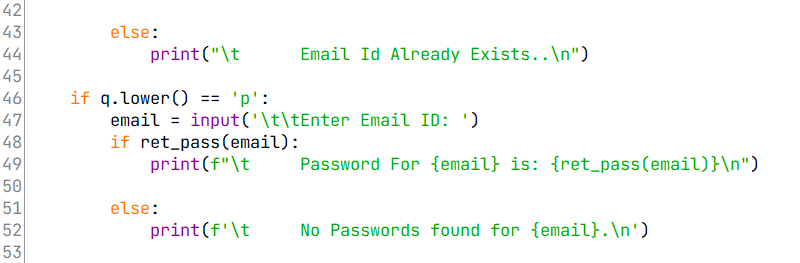


PRACTICAL:8

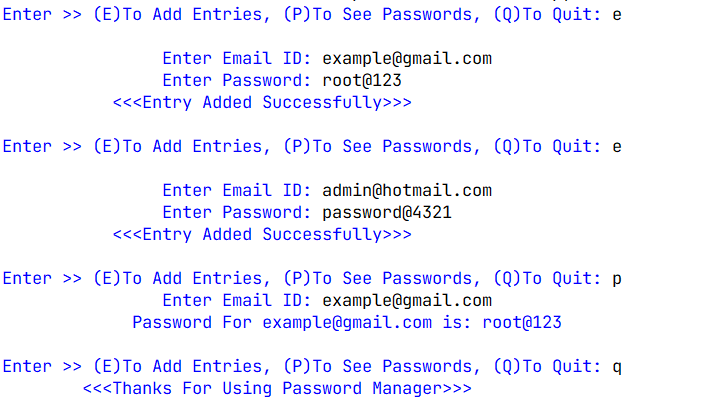
Create a CSV file by entering user-id and password,

read and search the password for given user id.



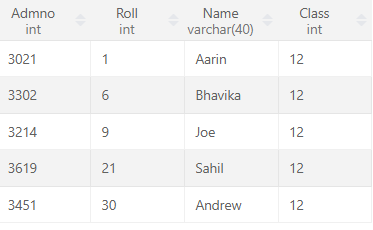


OUTPUT:



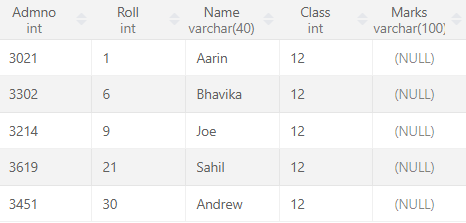
PRACTICAL:9

INIT TABLE:

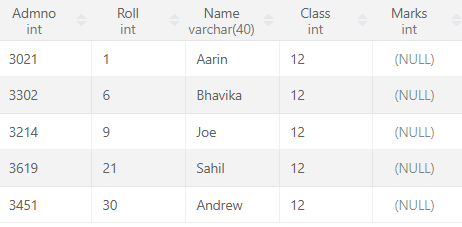


ALTER table to add new attributes / modify data type / drop attribute

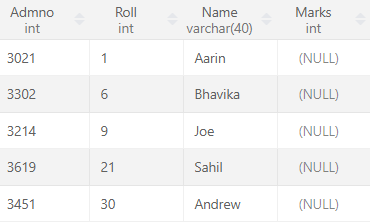
Query: Alter table student add Marks VARCHAR(100);



Query: Alter table student modify Marks INT(100);

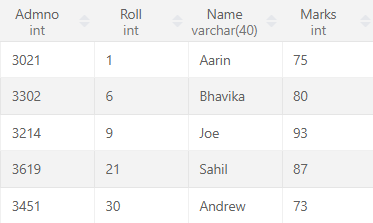


Query: Alter table student drop Class;



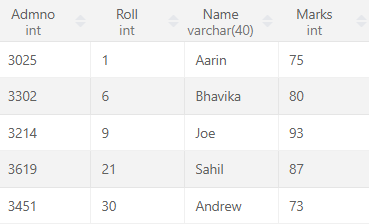
PRACTICAL:10

INIT TABLE:



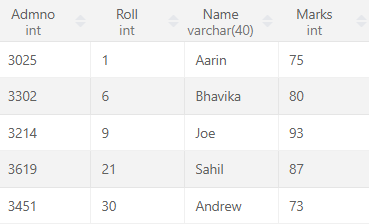
UPDATE table to modify data.

Query: UPDATE student set Admno = 3025 where Roll = 1;



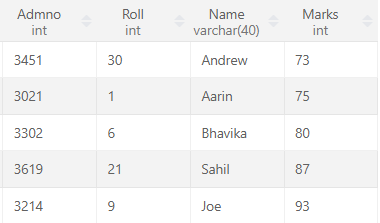
PRACTICAL:11

INIT TABLE:



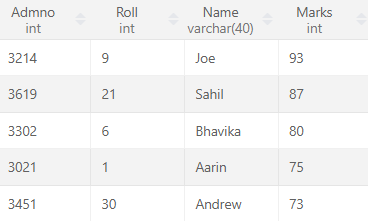
ORDER By to display data in ascending / descending order.

Query: select \* from student ORDER BY Marks;



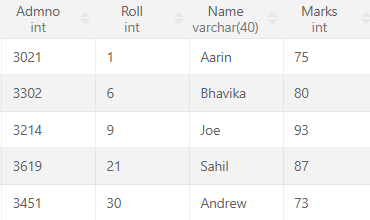
P.T.O

Query: select \* from student ORDER BY Marks desc;



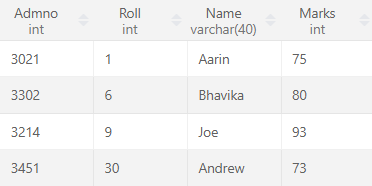
PRACTICAL:12

INIT TABLE:



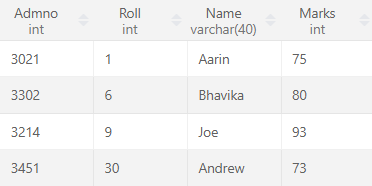
DELETE to remove tuple(s).

Query :DELETE from student where Roll = 21;



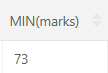
PRACTICAL:13

INIT TABLE:



GROUP BY and find the min, max, sum, count and average.

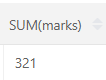
Query :select MIN(marks) from student;



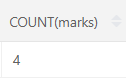
Query :select MAX(marks) from student;



Query :select SUM(marks) from student;



Query :select COUNT(marks) from student;



Query :select AVG(marks) from student;

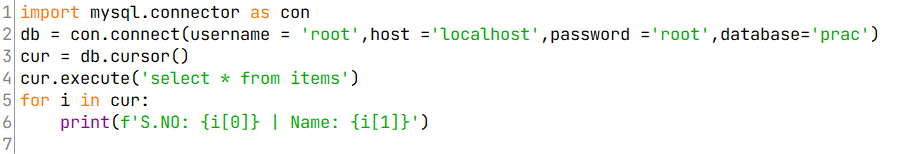


PRACTICAL:14

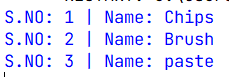
Integrate SQL with Python by importing suitable module.

INIT TABLE:



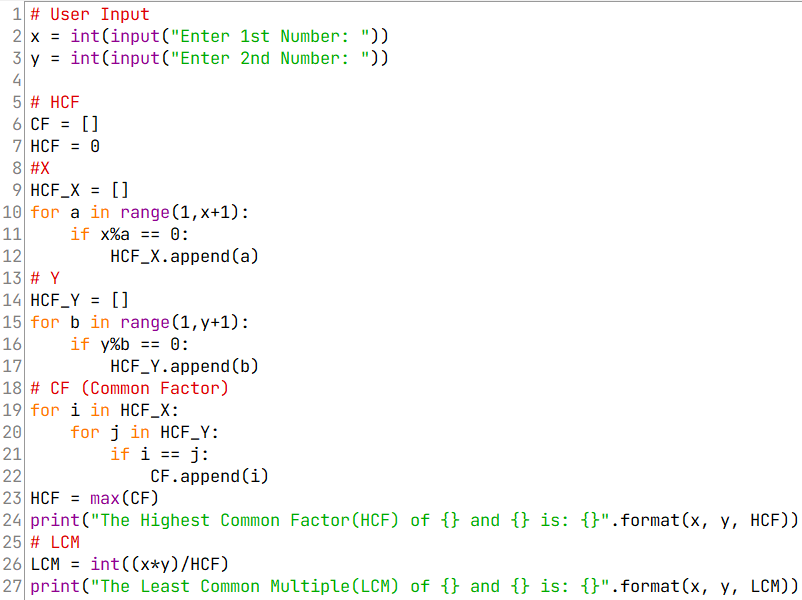


OUTPUT:



PRACTICAL:15

Find LCM and HCF of two entered numbers.



OUTPUT:

