Pandas Assignment-2 ( Alteration in DataFrame )

Write Command(s) to perform the following

Create a Pandas DataFrame df using the following dictionary of list

Students ={

‘admno’:[101,102,103,104,105,106],

‘name’:[‘atul’,’ramesh’,suresh’,’raman’,’jatin’,’mahir’],

‘eng’:[23,56,67,78,89,98],

‘ip’:[56,67,56,78,89,34],

‘acc’:[56,67,89,45,89,89],

‘bs’:[56,78,89,56,78,78]

}

Q1. Write Pandas commands to change original row index from **numbers to Name** of the above DataFrame df and display this new dataFrame on the screen

Q2. Write pandas command to change label index name to number index (original) in the above dataframe df and display this changes on the screen.

Q3. Write Pandas command to change the column name of ‘eng’ to ‘English’ and ‘bs’ to business studies in the above dataframe. Display these changes on the screen.

Q4. Write pandas command to add a new column in the above DataFrame ‘Economics’ with the following values

Economics = [67,78,45,78,90,89 ]. Display modified dataFrame on the screen.

Q5. Write pandas command to add a new column ‘total’ whose values are the sum of all the five subjects available in the above DataFrame. Also display this modified DataFrame on the screen.

Q6. Write pandas command to add a new column ‘percentage’ in the above dataFrame. The value of Percentage is total\*100/500. Also display this modified DataFrame on the screen.

Q7. Write Pandas command to increase 10 marks to each to all the students in IP. Also display modified DataFrame

Q8. Write pandas commands to delete a column ‘percentage’ from the above DataFrame. Display modified DataFrame on the screen.

Q9. Write Pandas command to add a new row with the following information.

Admno : 108, name :’ samriddhi’,’eng’:89,’ip’:89,’eco’:100

Using append() method

Q9. Write Pandas command to add a new row with the following information.

Admno : 108, name :’ samriddhi’,’eng’:89,’ip’:89,’eco’:100

Using concat() method