In [1]:	<pre>import pandas as pd</pre>
In [2]: Out[2]:	df=pd.read_csv('Students1.csv') df Rank Name Age Gender Background Python Machine_Learning
	0 Rank 1 Ravi 23 Male Tech 89 95 1 Rank 2 Chandni 22 Female Non-Tech 78 83 2 Rank 3 Gyanesh 25 Male Tech 70 80 3 Rank 4 Rahul 22 Male Tech 68 75 4 Rank 5 Kartik 23 Male Tech 60 70 5 Rank 6 Pratiksha 24 Female Non-Tech 58 55 6 Rank 7 Maya 22 Female Non-Tech 55 50 7 Rank 8 Shani 21 Male Tech 50 50 8 Rank 9 Neelam 24 Female Non-Tech 50 47 9 Rank 10 Mangal 22 Male Non-Tech 45 46
In [3]:	<pre>df.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 10 entries, 0 to 9 Data columns (total 7 columns): # Column Non-Null Count Dtype</class></pre>
	Index 128 Rank 80 Name 80 Age 80 Gender 80 Background 80 Python 80 Machine_Learning 80 dtype: int64 If we change datatype int64 to int8 then we can reduce the memory
In [6]:	<pre>df['Age']=df['Age'].astype('int8') df['Python']=df['Python'].astype('int8') df['Machine_Learning']=df['Machine_Learning'].astype('int8')</pre>
	df.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 10 entries, 0 to 9 Data columns (total 7 columns): # Column Non-Null Count Dtype</class>
Out[8]:	Index 128 Rank 80 Name 80 Age 10 Gender 80 Background 80 Python 10 Machine_Learning 10 dtype: int64 Adding 'Students1.csv' file on mysql server
In [11]:	<pre>import csv #!pip install pymysql import pymysql as pm mydb=pm.connect(host='localhost',user='root',password='',database='pooja') with open('Studentsl.csv') as file: csvfile=csv.reader(file,delimiter=',') all_value=[] for i in csvfile: values=(i[0],i[1],i[2],i[3],i[4],i[5],i[6]) all_value.append(values) qr="INSERT INTO `studenttask3`(`Rank`,`Name`,`Age`,`Gender`,`Background`,`Python`,`Machine_Learning`) VALUES(%s mycursor=mydb.cursor() mycursor.executemany(qr,all_value) mydb.commit()</pre>
In [12]:	<pre>import pandas as pd import pymysql as pm mydb=pm.connect(host='localhost', user='root', password='', database='pooja') sql_select_query="SELECT * FROM studenttask3" cursor=mydb.cursor() cursor.execute(sql_select_query) #get all records records=cursor.fetchall() print(cursor.rowcount) list1=[] for row in records: list1.append(row) #print(list1) dfl=pd.DataFrame(list1) print(df1) mydb.commit()</pre>
	11
In [24]:	<pre>import pandas as pd import pymysql as pm mydb=pm.connect(host='localhost',user='root',password='',database='pooja') sql_select_query="SELECT * FROM studenttask3" cursor=mydb.cursor() cursor.execute(sql_select_query) #get all records records=cursor.fetchall() print(cursor.rowcount) list1=[] for row in records: listl.append(row) #print(list1) dfl=pd.DataFrame(list1) print(df1) mydb.commit()</pre>
In [25]:	11
In [26]: Out[26]:	1 Rank Name 0 Gender Background 0 0 1 Rank Name 0 Gender Background 0 0 1 2 Rank 1 Ravi 23 Male Tech 89 95 2 3 Rank 2 Chandni 22 Female Non-Tech 78 83 3 4 Rank 3 Gyanesh 25 Male Tech 68 75 5 6 Rank 4 Rahul 22 Male Tech 68 75 5 6 Rank 5 Kartik 23 Male Tech 60 70 6 7 Rank 6 Pratiksha 24 Female Non-Tech 58 55 7 8 Rank 7 Maya 22 Female Non-Tech 55 50 8 9 Rank 8 Shani 21 Male Tech 50 50 9 10 Rank 9 Neelam 24 Female Non-Tech 50 47 10 11 Rank 10 Mangal 22 Male Non-Tech 55 46
In []:	
In []:	