```
1 from google.colab import drive
```

```
1 drive.mount('/content/gdrive')
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-2-837f90cc644e> in <cell line: 1>()
----> 1 drive.mount('/content/gdrive')

NameError: name 'drive' is not defined
```

<kbd>SEARCH STACK OVERFLOW</kbd>

```
1 import pandas as pd
2 df =pd.read_csv('/content/gdrive/MyDrive/school_scores.csv')
```

```
1 df
```

	Year	State.Code	State.Name	Total.Math	Total.Test-takers	Total.Verbal	Subjects.Arts/
0	2005	AL	Alabama	559	3985	567	
1	2005	AK	Alaska	519	3996	523	
2	2005	AZ	Arizona	530	18184	526	
3	2005	AR	Arkansas	552	1600	563	
4	2005	CA	California	522	186552	504	
...	...	...	...	...	...	...	
572	2015	VA	Virginia	517	59621	518	
573	2015	WA	Washington	511	44423	502	
574	2015	WV	West Virginia	500	2501	509	
575	2015	WI	Wisconsin	606	2277	591	
576	2015	WY	Wyoming	587	181	588	

577 rows × 99 columns

```
1 df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 577 entries, 0 to 576
Data columns (total 99 columns):
 #   Column                                              Non-Null Count  Dtype
---  ------                                              --------------  -----
 0   Year                                                577 non-null    int64
 1   State.Code                                          577 non-null    object
 2   State.Name                                          577 non-null    object
 3   Total.Math                                          577 non-null    int64
 4   Total.Test-takers                                   577 non-null    int64
 5   Total.Verbal                                        577 non-null    int64
 6   Academic Subjects.Arts/Music.Average GPA            577 non-null    float64
 7   Academic Subjects.Arts/Music.Average Years          577 non-null    float64
 8   Academic Subjects.English.Average GPA               577 non-null    float64
 9   Academic Subjects.English.Average Years             577 non-null    float64
 10  Academic Subjects.Foreign Languages.Average GPA     577 non-null    float64
 11  Academic Subjects.Foreign Languages.Average Years   577 non-null    float64
 12  Academic Subjects.Mathematics.Average GPA           577 non-null    float64
 13  Academic Subjects.Mathematics.Average Years         577 non-null    float64
 14  Academic Subjects.Natural Sciences.Average GPA      577 non-null    float64
 15  Academic Subjects.Natural Sciences.Average Years    577 non-null    float64
 16  Academic Subjects.Social Sciences/History.Average GPA    577 non-null    float64
 17  Academic Subjects.Social Sciences/History.Average Years  577 non-null    float64
 18  Family Income.Between 20-40k.Math                   577 non-null    int64
 19  Family Income.Between 20-40k.Test-takers            577 non-null    int64
 20  Family Income.Between 20-40k.Verbal                 577 non-null    int64
 21  Family Income.Between 40-60k.Math                   577 non-null    int64
 22  Family Income.Between 40-60k.Test-takers            577 non-null    int64
```

```
23   Family Income.Between 40-60k.Verbal         577 non-null    int64
24   Family Income.Between 60-80k.Math           577 non-null    int64
25   Family Income.Between 60-80k.Test-takers    577 non-null    int64
26   Family Income.Between 60-80k.Verbal         577 non-null    int64
27   Family Income.Between 80-100k.Math          577 non-null    int64
28   Family Income.Between 80-100k.Test-takers   577 non-null    int64
29   Family Income.Between 80-100k.Verbal        577 non-null    int64
30   Family Income.Less than 20k.Math            577 non-null    int64
31   Family Income.Less than 20k.Test-takers     577 non-null    int64
32   Family Income.Less than 20k.Verbal          577 non-null    int64
33   Family Income.More than 100k.Math           577 non-null    int64
34   Family Income.More than 100k.Test-takers    577 non-null    int64
35   Family Income.More than 100k.Verbal         577 non-null    int64
36   GPA.A minus.Math                            577 non-null    int64
37   GPA.A minus.Test-takers                     577 non-null    int64
38   GPA.A minus.Verbal                          577 non-null    int64
39   GPA.A plus.Math                             577 non-null    int64
40   GPA.A plus.Test-takers                      577 non-null    int64
41   GPA.A plus.Verbal                           577 non-null    int64
42   GPA.A.Math                                  577 non-null    int64
43   GPA.A.Test-takers                           577 non-null    int64
44   GPA.A.Verbal                                577 non-null    int64
45   GPA.B.Math                                  577 non-null    int64
46   GPA.B.Test-takers                           577 non-null    int64
47   GPA.B.Verbal                                577 non-null    int64
48   GPA.C.Math                                  577 non-null    int64
49   GPA.C.Test-takers                           577 non-null    int64
50   GPA.C.Verbal                                577 non-null    int64
51   GPA.D or lower.Math                         577 non-null    int64
52   GPA.D or lower.Test-takers                  577 non-null    int64
```

```
1 df.describe(include='all')
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-2-174ba9bf1a5c> in <cell line: 1>()
----> 1 df.describe(include='all')

NameError: name 'df' is not defined
```

SEARCH STACK OVERFLOW

```
1 df.isnull()
```

	Year	State.Code	State.Name	Total.Math	Total.Test-takers	Total.Verbal	Academic Subjects.Arts/Music.Average GPA	Academic Subjects.Arts/Music.Average Years	Subj
0	False	False	False	False	False	False	False	False	
1	False	False	False	False	False	False	False	False	
2	False	False	False	False	False	False	False	False	
3	False	False	False	False	False	False	False	False	
4	False	False	False	False	False	False	False	False	
...	...	...	...	...	...	...	...	...	
572	False	False	False	False	False	False	False	False	
573	False	False	False	False	False	False	False	False	
574	False	False	False	False	False	False	False	False	
575	False	False	False	False	False	False	False	False	
576	False	False	False	False	False	False	False	False	

577 rows × 99 columns

```
1 print("no null values -\n",df)
```

```
no null values -
     Year State.Code    State.Name  Total.Math  Total.Test-takers  \
0    2005         AL       Alabama         559               3985
1    2005         AK        Alaska         519               3996
2    2005         AZ       Arizona         530              18184
3    2005         AR      Arkansas         552               1600
```

```
4    2005     CA       California    522              186552
..    ...     ...             ...    ...                 ...
572  2015     VA         Virginia    517               59621
573  2015     WA       Washington    511               44423
574  2015     WV    West Virginia    500                2501
575  2015     WI        Wisconsin    606                2277
576  2015     WY          Wyoming    587                 181

     Total.Verbal  Academic Subjects.Arts/Music.Average GPA  \
0             567                                      3.92
1             523                                      3.76
2             526                                      3.85
3             563                                      3.90
4             504                                      3.76
..            ...                                       ...
572           518                                      3.83
573           502                                      3.83
574           509                                      3.92
575           591                                      3.93
576           588                                      3.91

     Academic Subjects.Arts/Music.Average Years  \
0                                           2.2
1                                           1.9
2                                           2.1
3                                           2.2
4                                           1.8
..                                          ...
572                                         2.1
573                                         2.2
574                                         2.4
575                                         2.6
576                                         2.5

     Academic Subjects.English.Average GPA  \
0                                     3.53
1                                     3.35
2                                     3.45
3                                     3.61
4                                     3.32
..                                     ...
572                                   3.47
573                                   3.50
574                                   3.71
575                                   3.77
576                                   3.84

     Academic Subjects.English.Average Years  ...  \
0                                         3.9  ...
1                                         3.9  ...
2                                         3.9  ...
```