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PYTHON TUTORIAL FOR DATA SCIENCE >

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#### **PYTHON PANDAS TUTORIAL**

- o Python Pandas Data Structure
- Create a Series in python - pandas
- Access the elements of a Series in pandas
- Format integer column in pandas
- Head and tail function in pandas
- Summary Statistics in pandas
- Mean Function in pandas



## **Python Developers Survey 2017 Results**

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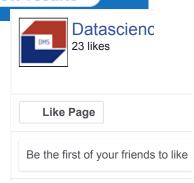
# Get the maximum value of column

### in python pandas

Get the maximum value of column in python pandas: In this tutorial we will learn How to get the maximum value of all the columns in dataframe of python pandas. How to get the maximum value of a specific column in python pandas using max() function.

#### **Create Dataframe:**

```
import pandas as pd
import numpy as np
#Create a DataFrame
d = {
```



- Median Function in pandas
- Mode Function in Pandas
- Harmonic Mean
   Function in Pandas
- Geometric Mean
   Function in Pandas
- Standard deviationFunction pandas
- Variance Function in pandas
- join (merge) data frames in pandas
- Apply Functions in pandas
- Rename the column in pandas
- Reindex in python pandas
- Row bind in pandas
- column bind in pandas
- Assign new column to dataframe in pandas
- Group a dataframe in pandas
- Sort the List in python

```
'Name':['Alisa','Bobby','jodha','jack','raghu','Cat
'Alisa','Bobby','kumar','Alisa','Alex','Cathrine'],
'Age':[26,24,23,22,23,24,26,24,22,23,24,24],
'Score':[85,63,55,74,31,77,85,63,42,62,89,77]}

df = pd.DataFrame(d,columns=['Name','Age','Score'])
df
```

So the resultant dataframe will be

	Name	Age	Score
0	Alisa	26	85
1	Bobby	24	63
2	jodha	23	55
3	jack	22	74
4	raghu	23	31
5	Cathrine	24	77
6	Alisa	26	85
7	Bobby	24	63
8	kumar	22	42
9	Alisa	23	62
10	Alex	24	89
11	Cathrine	24	77

#### Get the maximum value of all the column in python pandas:

```
# get the maximum values of all the column in datafr
df.max()
```



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- sort a dataframe in pandas
- sort a dataframe in pandas by index
- Cross tab in pandas
- Rank the dataframe in pandas
- Drop the duplicate row in pandas
- Find the duplicate rows
   in pandas
- Drop the row in pandas with conditions
- Drop or delete column in pandas
- Get maximum value of column in pandas
- Get minimum value of column in pandas
- select row with maximum and minimum value in pandas
- Get unique values of dataframe in Pandas
- Get list of column name
   in pandas

This gives the list of all the column names and its maximum value, so the output will be

```
Name raghu
Age 26
Score 89
dtype: object
```

#### Get the maximum value of a specific column in python pandas:

#### **Example 1:**

```
# get the maximum value of the column 'Age'

df['Age'].max()
```

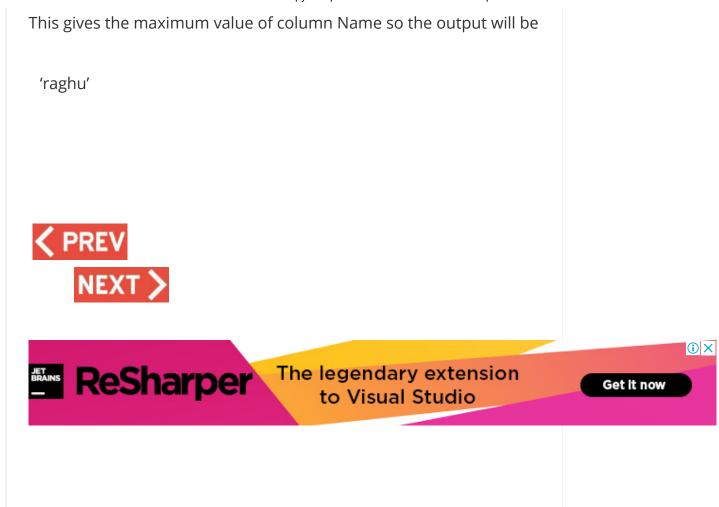
This gives the maximum value of column Age so the output will be

26

#### **Example 2:**

```
# get the maximum value of the column 'Name'
df['Name'].max()
```

- Get unique values of a column in pandas
- Hierarchical indexing in pandas
- Index, Select, Filter dataframe in pandas
- Indexing with iloc, loc and ix in pandas
- Reshape wide to long in pandas
- Reshape long to wide in pandas
- Reshape Stack(), unstack() function in Pandas
- Create Pivot table in Pandas
- Scaling, normalizing a column in Pandas



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