Pandas

Data structures refer to specialized way of storing data so as to apply a specific type of functionality on them.

Pandas has **three** data structures.

1. Series
2. DataFrame
3. Panel

What are series?

Series is an important data structure of pandas.

1. A series is an **one dimensional array** containing a sequence of values of any data type (int, float, list, string etc.)
2. The data label associated with a particular value is called its **index**.
3. **Default index always starts from zero**, we can also assign our own user defined indexes which can be of any data type.

Creation of series

```
1.
import pandas as pd
s1=pd.S er ies ([5 6,7 2,9 -
3,95])
print (s1)
OUTPUT
0 56
1 72
2 93
3 95
2.
import pandas as pd
s1=pd.S er ies ([5 6,7 2,9 -
3,95]), index= ['a ',' -
b', 'c' ,'d']
print(s1)
```

- always put "import pandas as pd" before every command.
- when no index is specified, default index is applied.
- The "S" in Series has to always be in capital

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