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Untitled.ipynb | players_data.csv | Jupyter Reference | services.csv

Code | Python 3 (ipykernel)

[15]:
```
#QUESTION 1:
```

[17]:
```
import pandas as pd
data1=[4,8,15,16,23,42]
result=pd.Series(data1)
print(result)
```

```
0     4
1     8
2    15
3    16
4    23
5    42
dtype: int64
```

[ ]:

[18]:
```
#QUESTION 2:
list=[1,2,3,4,5,6,7,8,9,10]
ans1=pd.Series(list)
print(ans1)
```

```
0     1
1     2
2     3
3     4
4     5
5     6
6     7
7     8
8     9
9    10
dtype: int64
```

[ ]:

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Code | Python 3 (ipykernel)

[21]:
```
my_list={"name":["Alice","Bob","Claire"],
         "age":[25,30,27],
         "Gender":["Female","Male","Female"]
        }
ans3=pd.DataFrame(my_list)
print(ans3)
```

```
     name  age  Gender
0   Alice   25  Female
1     Bob   30    Male
2  Claire   27  Female
```

[ ]:

[22]:
```
#QUESTION 4:
```

[25]:
```
#A Dataframe is like a table with rows and colums,where each column can have a different data types
# while a series is similar to a single column of data

#For example  in first two question we are making only one column of data ie series whereas in third question we are making a table consisting of three columns name,age and gender and it
```

[ ]:

[ ]:

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Code | Python 3 (ipykernel)

•[22]:
```
#QUESTION 4:
```

•[25]:
```
#A Dataframe is like a table with rows and colums,where each column can have a different data types
# while a series is similar to a single column of data

#For example  in first two question we are making only one column of data ie series whereas in third question we are making a table consisting of three columns name,age
#and gender and it is called as dataframe
```

[26]:
```
#QUESTION 5:
```

[27]:
```
# head() : we can read dataframe by using head() function.Also it include an argument n,head(n) i.e number of rows to be displayed
# shape() : returns the number of rows and columns enclosed in the dataframe
# merge() : used to merge the dataframes.Arguments to be passed are the dateframes to be merged along with the column name
#rename() : used to rename the column name of the dataframe, arguments passed are the columns to be renamed and inplace
```

[29]:
```
#QUESTION 5:
 # Series and DataFrame are mutable in nature, while Panel is not mutable.
```

[30]:
```
#QUESTION 6:
```

[31]:
```
import pandas as pd
data = {
    'Name': pd.Series(['Alice', 'Bob', 'Charlie', 'Dan']),
    'Age': pd.Series([25, 30, 35, 40]),
    'City': pd.Series(['New York', 'Los Angeles', 'Chicago', 'Houston'])
}
df = pd.DataFrame(data)
print(df)
```

```
      Name  Age         City
0    Alice   25     New York
1      Bob   30  Los Angeles
2  Charlie   35      Chicago
3      Dan   40      Houston
```

Simple | 0 | 1 | Python 3 (ipykernel) | Idle | Mode: Edit | Ln 5, Col 2 | Untitled.ipynb