

Q2.

```
#Creating a series from array
array=np.array(['a', 'b', 'c', 'd', 'e'])
series=pd.Series(array)
print(series)

#Creating a series from array with index
array=np.array(['a', 'b', 'c', 'd', 'e'])
series= pd.Series(array, index =[10, 11, 12, 13, 14])
print(series)

#Creating a series from Lists
list=['A', 'B', 'C', 'D', 'E']
series=pd.Series(list)
print(series)

#Creating a series from Dictionary
dictionary={'Rohan':10, 'Kumar':20, 'Saini':30}
series= pd.Series(dictionary)
print(series)

#Creating a series from Scalar value
series=pd.Series(10, index =[0, 1, 2, 3, 4, 5])
print(series)
```

Q3.

```
files.upload()
```

TITANIC.csv

- **TITANIC.csv**(application/vnd.ms-excel) - 81486 bytes, last modified: 12/6/2021 - 100% done
Saving TITANIC.csv to TITANIC.csv
{'TITANIC.csv': b'PassengerId, Survived, Name, Gender, Age, Ticket, Fare, Cabin, Embarked\r\r

```
DATA=pd.read_csv('TITANIC.csv')
print(DATA)
```

```
#Retrieve all the rows from dataframe when the value of age of the traveller is lies betwe
DATA[(DATA.Age>40) & (DATA.Age>50)]
```

```
#Retrieve the names and gender of all the persons who was survived after the ship fell int
DATA[DATA["Survived"]==1]
```

```
#Select and display last 10 rows from the dataframe when Fare is more than 100 and less th
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DATA[(DATA.Fare>100) & (DATA.Fare<200)].tail(10)
```

```
#Create the newdataframe(ndf) from original dataframe(df) containing all rows and the foll  
NEWDATA=DATA[["Name", "Ticket", "Fare"]]  
print(NEWDATA)  
print()  
print(NEWDATA.sort_values(by=["Name"], ascending=False))
```

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