Lab Ass - 9

Date __/__/____

Series / series = Series
divide
return

Pgm/ 4mrks Consider 2 series object staff & salary. staff store no of people in various office branches & salary distributed in these branches respectively

Write a python code to create another series obj that store avg salary per branch & then create a Dataframe obj from these objects

people	Amt	Avg
20	279000	
36	396800	
44	563000	

→
```
import pandas as pd
staff = pd.Series([20, 36, 44])
salary = pd.Series([279000, 396800, 563000])

average = salary / staff

org = {'people': staff, 'Amt': salary, 'Avg': average}

df1 = pd.Dataframe(org)
df1
```

out[]

	people	amt	avg
0	20	279000	13950.000000
1	36	396800	11022.222222
2	44	563000	12795.454545

LAB ASS-10

Q) Write a py code to create a dataframe object from 2D list the table is given below

	Name	age
a	Rahul	20
b	Ravi	22
c	Mohan	18

→

```
import pandas as pd

l1 = [['Rahul', 20],
      ['Ravi', 22],
      ['Mohan', 18]]

df1 = pd.DataFrame(l1, columns=['Name', 'age'],
                   index=['a', 'b', 'c'])

df1
```

LAB ASS 11

Date __/__/____

Pta

Q) Write a python code to create a dataframe object to store weight, age and name of 3 people. Print DF and its transpose

→

```
import pandas as pd

df2 = pd.DataFrame ({'weight' : [60, 61, 62],
                     'age' : [16, 17, 18],
                     'Name' : ['a', 'b', 'c']})

print('original DF')
df2
print('Transpose')
df2.T
```

output []

original DF

	weight	age	name
0	60	16	a
1	61	17	b
2	62	18	c

Transpose

	0	1	2
weight	60	61	62
age	16	17	18
name	a	b	c