**DAY 4 ASSIGNMENT 4**

Questions 1:

How to import pandas and check the version?

Answer:

import pandas as pd

print(pd.\_\_version\_\_)

Questions 2:

How to create a series from a numpy array?

Answer:

arr=np.array([1,2,34,5,6,43])

series=pd.Series(arr)

print(series)

Questions 3:

How to convert the index of a series into a column of a dataframe?

Answer:

import numpy as np

import pandas as pd

employees = [(11, 'jack', 34, 'Sydney', 70000) ,

          (12, 'Riti', 31, 'Delhi' , 77000) ,

          (13, 'Aadi', 16, 'Mumbai', 81000) ,

          (14, 'Mohit', 31,'Delhi' , 90000) ,

          (15, 'Veena', 12, 'Delhi' , 91000) ,

          (16, 'Shaunak', 35, 'Mumbai', 75000 ),

          (17, 'Shaun', 35, 'Colombo', 63000)

           ]

Dataset=pd.DataFrame(employees,columns=["Id","Name","Rollno","State","Salary"])

Dataset['index']=Dataset.index

print(Dataset)

Questions 4:

Write the code to list all the datasets available in seaborn library.

Load the 'mpg' dataset

Note: mpg dataset will be read from seaborn module in the manner sir has already shown(provided in the

materials folder)

Answer:

import seaborn as sbn

dataset\_all=sbn.get\_dataset\_names()

print(dataset\_all)

data=sbn.load\_dataset('mpg')

print(data)

Questions 5:

Which country origin cars are a part of this dataset?

Answer:

import seaborn as sbn

import pandas as pd

d=sbn.load\_dataset('mpg')

data=pd.DataFrame(d)

print(data['origin'].unique())

Questions 6:

Extract the part of the dataframe which contains cars belonging to 'usa'

Answer:

import seaborn as sbn

import pandas as pd

d=sbn.load\_dataset('mpg')

data=pd.DataFrame(d)

print(data[data['origin']=='usa'])