one_hot_encoded_data = p.get_dummies(d, columns = ('country']) print(one_hot_encoded_data) printinger, bot, encoded_dsta) Slip 8 & Rip 15 CDA| import matpicible pyplot as pit import nummy as np import matpicible import colors from matpicible import colors from matpicible import colors from matpicible import colors from a color import colors no_of_balls; z=np.andom.andn(50) y=np.andom.andn(50) y=np.andom.andn(50) pit.ahow() pit.show() pit.show() pit.show() pit.stater(xy,crolors) pit.show() Q2A) Q2B) import pandas as p df = pd.read_csv("C.\\Users\\DELL\\winequality-red.csv") df.shape if no. frows & cols df.describe() istats data df.in() iffeatures df.dtypes Q2B) from matplotlib import pyplot as plt import numpy as np # Creating dataset subjects = [TCS, 'Data Science', 'OS', 'JAVA', 'PHP', 'Python'] marks = [23, 17, 35, 29, 12, 33] Slip 4 and Slip5 Slip 4 and Slip5 (22A) import matplotlib, pyplot as plt import numpy as np x = np.random.randn(50) y = np.random.randn(50) plt.plot(x,y) plt.tshow() plt.tshow() plt.tshow() plt.tshow() plt.tshow() plt.hshow() plt.hshow() Slip2 & slip6 Japa a shipo Q2 A) import pandas as p import numpy as n important numpy as numpy important numpy im # Creating plot fig = plt.figure(figsize =(10, 7)) plt.pie(marks, labels = subjects) # show plot plt.show() Q2C) import pandas as p df = pd.read.csv/[$^{\text{L}}$ \Users\\DELL\\\minequality-red.csv'\ print\\\^{\frac{1}{2}}\,d.fd.escribe(]\) 8stats data df.head(3) Q2B) Q2b) import pandas as p import pandas as p df = pd read_csv("C:\\Users\\DELL\\User_Data.csv") df.hape # no. frows & cols df.describe() #stats data df.info() #features df.dtypes Slip 10 Q2A) import pandas as p import pandas as p import pandas as p iff-p.read_csv("ht&wt.csv") print("mens is \n".df.mean) print("median is \n".df.median) Q2B) def distancesum (x, y, n): sum = 0 Slip 7 &slip29 Q2) If for each point, finding distance if to rest of the point for in range(n). In range(n): for jin range(n): sum += (abs[x](1-x[j]) + abs[x](1-x[j]) + abs[x](1 'age':[20,23,22,20,21], 'per':[98,80,95,92,85]]) print(n.average(df['age'])) print(n.average(df['per'])) #fig=plt.gcf() #fig.set_size_inches(12,8) plt.show() print(n.ave-ve-... dip 37 dip 37 Open pandas as p df-p.Dataframe("name:"|"num6","rekha", 'astoin', 'ashish', 'radha"], "salary-!100000_300000_20000_300000_80000])) salary-!100000_300000_20000_300000_80000])) Q2B) import numpy as n d=n.array([[0,1],[2,3]]) print(d.max()) print(d.min()) Slip 12 Q2A) import marbiotilis pyplot as pit import numby as np int sow() pit.sow() deplored numby as new numby as numby a Q2A) import pandas as p import p im Q28) import pandas as p import pandas as p df = pd.read_csyPC\\Users\\DELL\\Advertising.csv') df.shape if no of rows & cols df.describe() listats data df.info() iffeatures df.dtypes Slip 18 QZA) incomparison and as a spanning and Slip 16 Q2A) from matplotlib import pyplot as plt import numpy as np il Creating dataset subjects = [TCS, 'Data Science', 'OS, 'JAVA, 'PHP, 'Python'] marks = [23, 17, 35, 29, 12, 33] 'salary print(df) d=df.dropna() print(d) Q2B) import pandas as p df = pd.read_csv("C:\\Users\\DELL\\ht&wt.csv") print(df.head(5)) print(df.tail(5)) print(df.saipple(10)) Silp 13 (2)A) import paralplotils pyplot as pit import matplotils pyplot pit import matplotils pyplot pit import matplotils pyplotils pit import pyplotils p Slip 13 # Creating plot fig = plt.figure(figsize =(10, 7)) plt.pie(marks, labels = subjects) csv # show plot plt.show() Q2B) import pandas as p import numpy as n df=p.DataFrame({'name':['kunal','rekha','satish','ashish','radha'], Q28) import pands as p import matplottib.pytiot as plt dep.read_cwt/C\\user\\DEL\\user\\DEL\\under\und df.ioc[4]=['sakshi',20,80] df.ioc[6]=['xxx',np.nan,95] df.ioc[7]=['suresh',21,85] df.ioc[8]=['sarchana',22,91] df.ioc[9]=['kunal',20,np.nan] print(df.) print(df.dsscribe) print(df.dsscribe) print(df.dtypes) df['remark']=None df label_encoder = preprocessing.LabelEncoder() d['purchased']= label_encoder.fit_transform(d['purchased']) one_hot_encoded_data = p_aget_dummies(d, columns = ['country']) print(one_hot_encoded_data) Slip 20 Q2A) import matplotlib.pyplot as plt import numpy as np x = np. random.randn[S0) y = np.random.randn[S0) plt.tplot(xy) plt.show() Slip 25 & slip 26 &Slip 30 Q2A) OZA) import matplotlib.pyplot as pit import matplotlib.pyplot as pit import mumy as np x = np.random.randn(50) y = np.random.randn(50) pit.t.pol(x,y) pit.thow() pit.t.sol(x,y,color='green') pit.satler(x,y,color='green') pit.stow() pit.thosy() pit.thosy() pit.thosy() prissional) (228) from matiplotlis import pyplot as plt import nummy as ing incesting dataset as l'exesting dataset subjects = [TCS, 'Data Science', 'OS, 'BAVA,' '99', 'Python'] matiple = [TCS, 'Data Science', 'OS, 'BAVA,' '99', 'Python'] fig = calling plot fig = ph. "Appureligible = [10, 7), as to be permarka, labets = subjects) # show plot ph. show()

Silip 27
Q2A)
import pandas as p
from sklearn import preprocessing
d = pd.read_csv('D:\\yogita\\Data.csv')

Slip 3

Slip1 & Slip 11