Assignment

NAME = MOHD SHOHEL ROLL NO = 20201417 DATA AND VISUALIZATION PANDAS

write a pandas program to create and display Q:I a one-dimensional array-like object containing an array of data using pandas module.

import pandas as pd m ds = pd. serie ([1,2,3,4,5]).

Paint (ds)

dtype: int 64 has an antion a sypte

write a pandar program to convert a panda 0:2 module series to python list & it's type.

import panda ai pa mine de la mine

ds = pd. series ([2:4,6,8,10]) paint (" pandas siries & type")

print (ds)

My

point (type (ds))

Paint (" convert pandas sories to python list") paint (as to list ())

paint (tyke (ds. tolist()))

913 write a pandas program to add subtract multiple & divide two pandar series. import pandas as pot mrs. ds = pd. sidia ([2,4,6,8,10]) dre = pd. sirie ([1,3,4,7,9]) # dad two scries d53= d51 + d52 d54= d51-d52 d55= d51 x d52 ds6= ds I/ds2 Print (d53) Pant (dou). paint (ds 5) 12917+ (d56) write a pandas program to convert a dictionary 014 to a panday series. sample series ['a':100, 'b':200, 'C':300; 'd':400, 'e':800] import pandas as pol My. d1 = q'a':100, 'b':200, 'c':300, d':400, c':300) point (d1) new series = pd. series (dz) paint ("converted sexis") Print (new-series) d:5 write a pandas program to convert the first Column q a dataframe as a scriel.

import pandas as pol St = pd. series (['100', 200', python', 300.12', 400' print ("original Data revier:") paint (sa) print ("charge the said data type to numeric.") 5. = pd. to numeric (51, errors = 1 coerce) pain+ (5,) write a pandal program to convert the first collins of a dortestraine as a series. import pandal as pd d= f'col7': [1,2,5,4,7,11], col2': [4,5,6,9) 170-1-15,07, (col 3' 1 (715 (81/2, 1, 117) of = pd. Data frame (data = d) Print (" original Dataframe") Print (df) SI = df. ix[:, 0] print ("Inst column as a series:") print (J-17 7 int (type (51)) write a pandal program to convert agiven series to an array. import pandas as po Mrs. import numpy as AP 51 = pd. series ([100, 200, python, 3001/2, 400] point ("orijinal Data seriui") pain+ (51) paint ("serlate an array") a= np. array (51. values, to list ()) paint (a)

	Page No.:
Q: 8	write a pandas program to convert series of live
	to one series.
	Sample series: (o: [red, Oweld, white J, I: [red
ano	Black I, 2: Cyellow J)
no	import pandas as pd
	Black J; 2: [Yellow])
	point (" original device of us t")
	\$ z = z . abbly (bq. z chirs). Stack(). Les ct
	index (drop = Thue)
	72 int (5)
P: 9	write a pandas program to sort a given series.
my	import pandas as pd
	s = pd. sexics ((100, 200, bython, 300,12, 400))
	Point ("orisinal data series")
	PHOT (5) 120 hos i remove . 64 2 2
	new-s=pd.series (5), sort values ()
	print (new-I)
0, (0	write a pandas program to add some data
	to an existing series.
M	import and I all all A
	3 2 Pd. series ([1001, 12001, python, 1300.12, 401])
	point ("original sate series")
	Point (5)
	new s = s. ceppend (pd. siries (['500', php'])
	point (new-s)
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