PRACTICAL – 11

PROGRAM -1

AIM- WAPP TO CREATE SERIES AND DATAFRAME USING PANDAS.

CODE

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| # Write a Python Program TO CREATE SERIES AND DATAFRAME USING PANDAS.  print("HARSH D")  import pandas as pd  # Create a Series  s = pd.Series([1, 2, 3, 4, 5])  print(s)  # Create a DataFrame  data = {'Name': ['Alice', 'Bob', 'Charlie', 'David'],  'Age': [25, 30, 35, 40]}  df = pd.DataFrame(data)  print(df) |

OUTPUT

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PROGRAM -2

AIM- WAPP TO PERFORM FUNCTIONS AND PARAMETERS OF PANDAS ON CSV FILE CONTAINING MORE THAN 1000 OBSERVATIONS

CODE

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| import pandas as pd  df = pd.read\_csv("files\people-10000.csv", delimiter=',')  print("Data of people:".center(150,"-"),"\n")  print(df,end='\n\n')  print(f"The head of the Data file:".center(150,"-"),"\n")  print(df.head(5),end='\n\n')  print(f"The tail of the Data file:".center(150,"-"),"\n")  print(df.tail(5),end='\n\n')  print(f"The following information about people:".center(150,"-"),"\n")  df.info()  print(end='\n\n')  print(f"Description of the data:".center(150,"-"),"\n")  print(df.describe(include='all'),end='\n\n')  print(f"The tabular size/shape of the data: {df.shape}")  print(f"The size/elements present in the data: {df.size}") |

OUTPUT

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PROGRAM -3

AIM- WAPP TO READ A CSV USING DICTREADER.

CODE

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| import pandas as pd  df = pd.read\_csv("files\people-10000.csv", delimiter=',')  print("Printing 5-20 record using .loc() function:".center(170,"-"),"\n")  print(df.loc[5:20],"\n\n")  print("Printing first 5 record using .iloc() function:".center(160,"-"),"\n")  print(df.iloc[0:5],"\n") |

OUTPUT

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