

DATA HANDLING USING PANDAS - I

ASSIGNMENTS

- Q.1 Which method is used to make a DataFrame?
- Q.2 Write the syntax of DataFrame method.
- Q.3 Is series is a one-dimensional array which is labelled and can hold any data type?
- Q.4 Which function allows us to manipulate data and create new variables in pandas library.
- Q.5 Which function is used to read the dataset from a large text file?
- Q.6 Are DataFrames container for Series.
- Q.7 Data structures in Pandas can be mutated in the terms of _____ but not of _____.
- Q.8 Explain Series In pandas. How To Create Copy Of Series In pandas?
- Q.9 Define Python pandas
- Q.10 Mention The Different Types Of Data Structures In pandas?
- Q.11 What Is A pandas DataFrame? How we can Create An Empty DataFrame In pandas?
- Q.12 Explain Reindexing In pandas.
- Q.13 Write the name of methods used with series with their purpose
- Q.14 Write the name of methods used with DataFrame with their purpose
- Q.15 How can we calculate the standard deviation from the Series?
- Q.16 Creating a Series using List and Dictionary
- Q.17 Create series using NumPy functions
- Q.18 Get index and values of a series
- Q.19 Rename DataFrame Columns
- Q.20 Filter DataFrame rows using isin
- Q.21 Drop DataFrame Column(s) by Name or Index
- Q.22 Add new column to DataFrame
- Q.23 Get list of the column headers
- Q.24 Generate DataFrame with random values
- Q.25 Select multiple columns from DataFrame
- Q.26 Convert Dictionary into DataFrame
- Q.27 Check that DataFrame is empty
- Q.28 Slice DataFrame using loc
- Q.29 Differentiate loc vs iloc slicing in DataFrame
- Q.30 Add row at end of dataframe
- Q.31 Get mean(average) of rows and columns of dataframe

Q.32 Calculate sum across rows and columns

Q.33 Filter rows which contain specific keyword

Q.34 Write Example program of where()

Q.35 Delete missing data rows from dataframe

Q.36 Import CSV with specific Index

Q.37 Write DataFrame to CSV file

Q.38 Read specific columns from CSV

Q.39 Write python program to find minimum and maximum values of dataframe

Q.40 Find index position of minimum and maximum values

Q.41 find the output of program given below.

```
data = np.array([[',','Col1','Col2'],  
                ['Row1',1,2],  
                ['Row2',3,4]])
```

```
print(pd.DataFrame(data=data[1:,1:],  
                  index=data[1:,0],  
                  columns=data[0,1:]))
```