MCQ : UNIT-4 Python Interaction with text and CSV

Que.1)_____ consists of an ordered collection of columns, each of which can contain a value of different type (numeric, string, Boolean, etc.)
    A. Series
    B. Dataframe
    C. Both A and B
    D. None of the above
    Ans.B

Que.2)With respect to Series object S what will be the output of S[0:4]?
    A. Elements from 0 to 3 will be selected
    B. Elements from 1 to 4 will be selected
    C. Elements from 0 to 4 will be selected
    D. Elements from 1 to 3 will be selected
    Ans.A

Que.3)Which one of these is not a valid line style in matplotlib?
    A. -
    B. --
    C. .-
    D. <
    Ans.D

Que.4)Which graph should be used if we want to show distribution of elements?
    A. Pie
    B. Scatter
    C. Bar
    D. Histogram
    Ans.D

Que.5)Which of the following statement shows first five rows of Data Frame ?
    A. df.head()
    B. df.head(5)
    C. Both A and B
    D. Both are Incorrect
    Ans.C

Que.6)The method which returns the complete information of the dataframe
    A. Df.values
    B. df.describe
    C. df.print
    D. df.show
    Ans.B

Que.7)The default data structure of the pandas is
    A. Series
    B. Dictionary
    C. List
    D. Dataframe
    Ans.D

Que.8)To read data in binary format which of the following access mode used when open a file ?

A. rb
B. r+
C. wb
D. ab
Ans.A

Que.9)To view the content of the CSV file in the form of dictionary the ____ method is used
    A. reader
    B. Dictreader
    C. writer
    D. Dictwriter
    Ans.B

Que.10)To get the variance of the rows
    A. Df.Var(axis=0)
    B. Df.var()
    C. Df.var(axis=1)
    D. None of the above
    Ans.C

Que.11)Which of the following module is import for handling Excel files in Python?
    A. openpyxl
    B. matplotlib
    C. pyplot
    D. sqlite3
    Ans.A

Que.12)Which of the following function is used in python to skip a row in a CSV file ?
    A. next()
    B. skip()
    C. jump()
    D. goto()
    Ans.A

Que.13)The functions to fetch the values from middle of the dataframe
    A. a. loc()
    B. b. iloc()
    C. c. Tell()
    D. Both a and b
    Ans.D

Que.14)What is the meaning of df.iloc[-2] in python ?
    A. second last row of data frame
    B. first two rows of data frame
    C. first two columns of data frame
    D. second last column of data frame
    Ans.A

Que.15)What is the meaning of df.iloc[0:2] in python ?
    A. first two columns of data frame
    B. first two rows of data frame
    C. first three rows of data frame
    D. first three columns of data frame
    Ans.B

Que.16)What is the meaning of df.iloc[0, 2] in python ?
    A. Third column of first row of data frame
    B. first two rows of data frame
    C. first column of third row of data frame
    D. first two columns of data frame
    Ans.A

Que.17)What is the meaning of df.iloc[: , 2] in python ?
    A. second row of data frame
    B. second column of data frame
    C. third row of data frame
    D. third column of data frame
    Ans.D

Que.18)What is the meaning of df.head(-2) in python ?
    A. display all row except first two rows
    B. display all rows except last two rows
    C. display last two rows
    D. display first two rows
    Ans.B

Que.19)Types of Name Space
    A. Local Name Space
    B. Global Name Space
    C. Built-in Name Space
    D. All of the above
    Ans.D

Que.20)What is the purpose of write() method?
    A. It is used to writes any string to an open file.
    B. It is used to read any number to an open file.
    C. It is used to reads any string to an open file.
    D. It is used to writes only number to an open file.
    Ans.A

Que.21)What is the meaning of df.tail(-2) in python ?
    A. display all rows except first two rows
    B. display all rows except last two rows
    C. display first two rows
    D. display last two rows
    Ans.A

Que.22)Which is not text file accessing mode?
    A. R
    B. W
    C. A
    D. rw+
    Ans.D

Que.23)Which method returns the list of the lines and reaches the file end point?
    A. readline()
    B. readlines()
    C. read()
    D. None of the above

Ans.B

Que.24)What does csv.reader function return?
        A. It returns null
        B. It returns file object
        C. It returns string
        D. It returns number
        Ans.B

Que.25)which statement is use for manipulating the files?
        A. import
        B. from import
        C. import *
        D. with
        Ans.D

Que.26)Types of data structures in Pandas
        A. Series
        B. Link list
        C. DataFrame
        D. Both A and C
        Ans.D

Que.27)What is the use of DictReader()
        A. To read a csv file as a dictionary
        B. To read a csv file
        C. To write a csv file
        D. To write a csv file as a dictionary
        Ans.A

Que.28)Which method is useful for filling NaN or Na values?
        A. dropna()
        B. fillna()
        C. fill()
        D. None of the above
        Ans.B

Que.29)Data Frame in Pandas is
        A. One dimension array
        B. Two dimension array
        C. Three dimension array
        D. None of the above
        Ans.B

Que.30)Tail() method returns
        A. Last n records from data frame
        B. All records from data frame
        C. First n records from data frame
        D. None of the above
        Ans.A

Que.31)Which function of pandas is used to read data from CSV file in python ?
        A. read_csv()
        B. read.csv()
        C. readcsv()

D. csv.read()
Ans.A

Que.32)To retrieve the data, which function is used to run the select query?
    A. fetch()
    B. execute()
    C. rawquery()
    D. executequery()
    Ans.B

Que.33)connect() function in Sqlite is used for?
    A. To connect the database
    B. To open the database
    C. To create the database
    D. All of the above
    Ans.D

Que.34)What is the use of DictWriter() function?
    A. To read a csv file as a dictionary
    B. To write a csv file
    C. To read a csv file
    D. To write a csv file as a dictionary
    Ans.D

Que.35)head() method returns
    A. First n records from data frame
    B. All records from data frame
    C. Last n records from data frame
    D. None of the above
    Ans.A

Que.36)What is the use of read()?
    A. It is used to reads any string to an open file
    B. It is used to write any number to an open file
    C. It is used to writes any string to an open file
    D. It is used to reads any number to an open file
    Ans.A

Que.37)What does csv.writer() return?
    A. It returns a writer object that converts the user's data
    B. It returns a null object that converts the user's data
    C. It returns a reader object that converts the user's data
    D. It returns a number object that converts the user's data
    Ans.A

Que.38)Series in Pandas is
    A. One dimensional array
    B. Two dimensional array
    C. Multi dimensional array
    D. None of the above
    Ans.A

Que.39)Which measure of central tendency takes into account the magnitude of scores?
    A. Median
    B. Range

    C. Mode
    D. Mean
    Ans.D

Que.40)The median of an ordered set of data is the value that represents
    A. The median of an ordered set of data is the value that represents
    B. The most frequently observed value
    C. The arithmetic average of the data values
    D. The middle or approximate middle of the data set
    Ans.D

Que.41)Best way to import the pandas module in your program ?
    A. import pandas
    B. import pandas as p
    C. from pandas import *
    D. All of the mentioned
    Ans.D

Que.42)Which of the following takes a dict of dicts or a dict of array-like sequences and returns a DataFrame?
    A. DataFrame.from_items
    B. DataFrame.from_records
    C. DataFrame.from_dict
    D. All of the mentioned
    Ans.D

Que.43)Pandas Series can have _____ data types
    A. float
    B. integer
    C. String
    D. All of the mentioned
    Ans.D

Que.44)What is the use of file mode 'r'?
    A. Create and open a new file
    B. Open file in read mode
    C. Open file in text mode
    D. None of the above
    Ans.B

Que.45)What is the use of writer() method in python file operation?
    A. To create object
    B. To read object
    C. To append object
    D. None of the above
    Ans.A.

Que.46)Which of the following method is similar to Dictreader() method?
    A. Dictwriter()
    B. Reader()
    C. Read ()
    D. Writer()
    Ans.B.

Que.47)To append multiple rows, which method is used?
    A. Readrow()

B. Writerow()
C. Appendrow()
D. None of the above
Ans.B

Que.48)The Dictreader class reads records from the CSV file in terms of _____
    A. Dictionary
    B. List
    C. Dataframe
    D. Object
    Ans.A

Que.49)What DictReader do ?
    A. Read CSV file and create Tabular Data Object
    B. Read CSV file and create Tuple Listad CSV file and create Dictionary Object
    C. None of the above
    D. Read CSV file and create Dictionary Object
    Ans.D

Que.50)_____ function takes File Pointer and returns CSV Reader Object.
    A. reader()
    B. writerows()
    C. writer()
    D. csv_reader()
    Ans.A

Que.51)Which mode is used to open a file in reading mode but also allows to write
    A. r
    B. rw
    C. w+
    D. r+
    Ans.D

Que.52)The _____ parameter of csv.reader() function is used to set a specific delimiter like a single quote or double quote or space or any other character.
    A. Dialect
    B. Dialect_format
    C. Format_dialect
    D. None of the above
    Ans.A

Que.53)We can use any python file as module by using
    A. Import
    B. Implement
    C. Require
    D. None of the above
    Ans.A

Que.54)CSV module allows to write multiple rows using _____ function.
    A. writer
    B. writers
    C. write_rows
    D. writerows
    Ans.D

Que.55)Which of the following is not a function of csv module?
      A. readline()
      B. writerow()
      C. reader()
      D. writer()
      Ans.A

Que.56)Which of the following is tasks cannot be done or difficult with CSV module?
      A. Saving data permanently
      B. Uniqueness of data
      C. Data in tabular form
      D. All of these
      Ans.B

Que.57)_____function is used for calculating some statistical data like percentile, mean and std of the numerical values of the Series or DataFrame.
      A. Statistical ()
      B. Stat_describe()
      C. Describe()
      D. Dialect()
      Ans.C

Que.58)Which function is measured as the spread of data distribution in the given data set.
      A. Varience
      B. Standard Deviation
      C. Median
      D. Mode
      Ans.B

Que.59)How to read a file when delimiter character is a part of data itself?
      A. Use other delimiter
      B. Wrap the data in quotes
      C. Escape the delimiter character in data
      D. Any of the above
      Ans.D

Que.60)Which of the following function is used to write a DataFrame object to. CSV file using pandas module?
      A. writer()
      B. writerow()
      C. writeheader()
      D. to_csv()
      Ans.D

Que.61)Which of the following module is used to read a CSV file?
      A. csv
      B. pandas
      C. Both a & b
      D. None of a & b
      Ans.C

Que.62)Which of the following specifies the character used to surround fields that contain the delimiter character?
      A. quotechar
      B. delimiter

C. lineterminator
D. escapechar
Ans.A

Que.63)Which of the following will be used as by default lineterminator for writing data to a file with csv module?
A. \r\n
B. \r
C. \n
D. \n\r
Ans.A

Que.64)The open() function returns _____.
A. Total Length of File
B. file content
C. file creation detail
D. Open file pointer
Ans.D

Que.65)CSV File can be read or write using
A. CSV Module
B. Data module
C. File module
D. SQLite3 module
Ans.A

Que.66)What DictReader do?
A. Read CSV file and create Tabular Data Object
B. Read CSV file and create Dictionary Object
C. Read CSV file and create Tuple List
D. Read CSV file and create array
Ans.B

Que.67)which function is used to fetch single record?
A. fetchall()
B. fetchmany()
C. fetchone()
D. fetch()
Ans.C

Que.68)We can add a new row to a DataFrame using the _____ method.
A. rloc[ ]
B. iloc[ ]
C. loc[ ]
D. None of the above
Ans.C

Que.69)What type of error is returned by following statement?   Consider follwing code :import pandas as pnd   pnd.Series([1,2,3,4], index = ['a','b','c'])
A. SyntaxError
B. IndexError
C. ValueError
D. None of the above
Ans.C

Que.70) Which of the following statement shows first five values of Series 'S1'?
    A. S1.head( )
    B. S1.head(5)
    C. Both of the above
    D. None of the above
    Ans.C

Que.71)Which of the following statement is wrong?
    A. We can create Series from Dictionary in Python.
    B. Keys of dictionary become index of the series.
    C. Order of indexes created from Keys may not be in the same order as typed in dictionary.
    D. All are correct
    Ans.D

Que.72)Correct syntax of file.writelines() is?
    A. file.writelines(sequence)
    B. fileObject.writelines()
    C. fileObject.writelines(sequence)
    D. None
    Ans.C

Que.73)In regards to separated value files such as .csv , what is the delimiter?
    A. Any character such as the comma (,) or tab (\t) that is used to separate the row data
    B. Anywhere the comma (,) character is used in the file
    C. Delimiters are not used in separated value file
    D. Any character such as the comma (,) or tab (\t) that is used to separate the column data.
    Ans.D

Que.74)Panda Stands for-
    A. Panel Data Analysis
    B. Panel Data Analyst
    C. Panel Data
    D. None
    Ans.C

Que.75)Which of the following command is used to install pandas?
    A. pip install pandas
    B. install pandas
    C. pip panda
    D. None
    Ans.A

Que.76)Pandas is an open-source _____ Library?
    A. Ruby
    B. Java
    C. Python
    D. JavaScript
    Ans.C

Que.77)Which of the following is not a function of csv module?
    A. readline( )
    B. reader( )
    C. writer( )
    D. writerow( )

Ans.A

Que.78)Which is the important library used to analyze the data?
        A. Math
        B. Pandas
        C. Random
        D. None
        Ans.B

Que.79)In data science, which of the Python Library is most popular?
        A. Numpy
        B. Pandas
        C. OpenCv
        D. Django
        Ans.B

Que.80)What is the main purpose of Pandas library?
        A. Data Recovery
        B. Data Backup
        C. Data Visualization
        D. Data Analysis
        Ans.D

Que.81)PANDAS stands for _____
        A. Panel Data Analysis
        B. Panel Data analyst
        C. Panel Data
        D. Panel Dashboard
        Ans.C

Que.82)For what purpose a Pandas is used?
        A. To create a database
        B. To create a GUI programming
        C. To create a High level array
        D. All of the above
        Ans.C

Que.83)What we pass in DataFrame in Pandas?
        A. Integer
        B. String
        C. Pandas series
        D. All of the above
        Ans.C

Que.84)To extract row/column from a datafram, ____ function may be used? function may be used.
        A. row( )
        B. column( )
        C. loc( )
        D. All of these
        Ans.C

Que.85)Missing data in Pandas object is represented through
        A. Null
        B. None
        C. Missing

D. nan
Ans.D

Que.86)This function computes a summary of statistics pertaining to the DataFrame columns
A. mode()
B. median()
C. mean()
D. describe()
Ans.D

Que.87)Series() function contains which three parameters
A. data,index and name
B. data,datatype, index
C. index,datatype(size), dataframe
D. data, attribute ,index
Ans.A

Que.88)This Class is more convenient to address the field names and extract the records from the data file.
A. DictReader()
B. Reader()
C. Read()
D. None of the above
Ans.A

Que.89)Data frames are datatype specific.
A. True
B. False
C. Supports only integer.
D. None of the above
Ans.B

Que.90)Display first three names of the employees using dataframe
A. df.loc[101:103,'Name']
B. df.loc[:,'Name']
C. Both A and B
D. None of the above
Ans.C