

- B) matplotlib.pyplot as plt D) matplotlib.pyplot as pyplot
3. Identify name of function that should be used in statement 2 to plot above graph
A) line() C) barh()
B) hist() D) bar()
 4. Choose the correct option for the statement 3
A) title ("Rating") C) ylabel ("Rating")
B) ylabel ("Rating") D) yaxis ("Rating")
 5. Choose the right function/method from the following for the statement 4.
A) display() C) bar()
B) print() D) show()
 6. In case Mr. Sharma wants to change the above plot to the any other shape, which statement, should he change.
A) Statement 1 C) Statement 2
B) Statement 3 D) Statement 4
 7. Write a command to install pandas in python
A) pip install C) install pip
B) pip install pandas D) pandas install pip
 8. Series is which type of data ?
A) Homegeneous C) Hetrogeneous
B) Both D) None
 9. Which is Hetrogeneous type of data in pandas ?
A) Series C) DataFrame
B) Both D) None
 10. What does axis=1 represents in data frame?
A) Row B) Column
B) Both D) None of above
 11. In data science for data analysis, which of the python library are more popular ?
A) Pandas C) Django
B) Swift D) OpenCv
 12. Pandas Library is mainly used for _____ in _____ filed for Python.
A) Critical Thinking, Object Oriented Programing
B) Indexing, Game Development
C) Graphic Designing, Computer Vision
D) Data Analysis, Data science

Q. Code : Ayush, a student of class-XII in KVS JETPUR, has been assigned a code to create a pandas series S1, shown below.

a 100
b 200
c 300
d 400
e 500

[dtype: int64]

With reference to the above answer given questions:

24. Choose the command that will give the following output
b 200
c 300
dtype: int64
- A) `print(S1[:3])` C) `print(S1[1:3])`
B) `print(S1[0:3])` D) `print(S1[2:4])`
25. Help him to identify the correct statement that can be used to extract the value with the index 'c'
- A) `print(S1[c])` C) `print(S1(c))`
B) `print('S1'[c])` D) `print(S1['c'])`
26. Which of the following command will give the following output
b 200
d 400
- A) `print(S1.iloc[1:4])` C) `print(S1.iloc(1:4))`
B) `print(S1.iloc[2:4])` D) `print(S1.iloc[1:4:2])`
27. Which of the following command will display the series by adding 10 in each value.
- A) `print(S1 [+10])` C) `print(S1 + 10)`
B) `print(S1) + 10` D) `print(S1) + print(10)`
28. Ayush wants to delete the value against index 'd'. Help him to choose the suitable option:
- A) `S1= S1.drop(d)` C) `S1= drop('d')`
B) `S1= S1.drop('d')` D) `S1= S1.drop['d']`
29. Which Syntax is used to save the plot in the code in Matplotlib?
- A) `plt.savefig()` C) `plt.savef()`
B) `plt.fig()` D) `plt.figsave()`
30. ____ provides state machine interface to plotting library in Matplotlib.
- A) Pandas C) Series
B) DataFrame D) pyplot

31. Which command is used for combining/merging dataframes in pandas
 A) pd.merge() C) pd.combine()
 B) pd.delete() D) pd.show()
32. Head Function is used to print last elements(x) in series/dataframes in pandas ?
 A) True C) Can't say
 B) False D) Both

33. **import pandas as pd**
import numpy as np
kvs = [10,11,12]
jtp = pd.Series (kvs)
print(jtp)
 #What will be output of prog ?

- A) 0 10 C) 1 10
 1 11 2 11
 2 12 3 12
 B) [10,11,12] D) Error

Q. Match the following with reasoning.

- | | |
|----------------|------------------------|
| i) Pandas | p1) Data visualization |
| ii) Matplotlib | p2) Series |
| | p3) Bar Graph |
| | p4) Data Analysis |

34. Which Pair will be match Pandas (i) ?
 A) p1,p2 C) p1,p3
 B) p2, p4 D) p3,p4
35. Which Pair will be match Matplotlib (ii) ?
 A) p1,p2 C) p1,p3
 B) p2, p4 D) p3,p4
36. Which syntax is used to perform sorting using index
 A) sort_values() C) sort()
 B) sort_index() D) sort_dataframe()

37. **import pandas as pd**
import numpy as np
kvs = ['IP', 'ACC']
jtp = PD1.series (KVS)
print(jtp)
#What will be Output of prog?

- A) 0 IP C) ERROR
 1 ACC
- B) [IP ACC] D) {IP , ACC}

38. **import pandas as pd**
import numpy as np
kvs = ['Jetpur', 'Junagadh', 'Dhoraji', 'Rajkot']
jtp = pd.dataFrame (pd)
print (kvs,jtp)
#Programe is right or will give error ? if it'll give error how many errors are there ?

- A) No Error, Prog will give output C) 2
C) 1 D) 3

39. What does axis=0 represents in data frame?

- A) Row C) Column
B) Both D) None of above

40. In Both Series & DataFrame , data values are mutable.

- A) True C) None
B) False D) Can't say