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Business Analytics Programming - Spring 2019, Practice Set # 3 (Pandas DataFrames)
        import numpy as np
        import pandas as pd
 1. What is s[1]? = 0 \( \frac{5}{2} \)
        s=pd. Series ([.25,.5,.75,.1])
                                 = 0
    What is mapping['b']?
        s2=pd. Series ([.25,.5,.75,.1], index=['a','b','c','d'])
        mapping = s2.to_dict()
                                GLLE
                                  S[2:3]=2+5=
 3. What is sum(s2['b':'c'])?
        s2=pd. Series([1/2,3/4], index=['a','b','c','d'])
                    a be d * When index rue is letters instead of numbers, it will take
                               1+2 = (3
 4. What is sum(s2[0:2])? =
        s2=pd. Series ([1,2,3,4], index = ['a','b','c','d'])
 5. What is sum(s2[[0,2]])?
        s2=pd. Series([1],2,3,4], index=['a','b','c','d'])
                                              # Double sticing is comma.
 6. What is sum(s2[['b/*,d']])? 21 4 2 6
        s2=pd. Series([1/2,3/4], index=['a','b','c','d'])
                                                                 there is a comma, it's
 7. What is sum(s3['b'; c'])?
                                   taking two b
 8. What is sum(s3[0:2])? = (
        s3=pd. Series ([1,2,3,4], index = ['a', 'b', 'b', 'd'])
 9. What is sum(s3[[0,2]])?
        s3=pd. Series ([1,2,3,4], index = ['a', 'b', 'b', 'd'])
10. What is sum(s3[['b','d']])? =
        s3=pd. Series ([1/2] 3/4), index = [a', b', b', b', d'])
11. What is sum(s4[0.2])? = H < 3
        s4=pd. Series([1,2,3,4], index = [2,5,3,7])
                    0623
                    2537
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index value
  12. What is sum(s4[[2,5]])?
                                           ," cticing follow by index
           s4=pd. Series([1,2,3,4], index = [2,5,3,7])
                                         = 4 commas are not forgiving
  13. What is sum(s4[[0,2]])?
                                                    2+1-7 b/c alphabetically ordered
           s4=pd. Series((1,2,3,4), index=(2,5,3,7))
  14. What is sum(fruitdf[1:3]['price'])?
           price=pd. Series(('cherry':2,'berry':1,'orange':3,'apple':4,'plum':7))
qty=pd. Series(('cherry':12,'berry':7,'orange':8,'apple':31))
           fruitdf = pd.DataFrame({ 'price':price, 'qty':qty})
  15. What is sum(fruitdf['apple':'cherry']['qty'])?
           price=pd. Series({'cherry':2,'berry':1,'orange':3,'apple':4,'plum':7})
           qty=pd. Series({'cherry':12,'berry':7,'orange':8,'apple':31})
           fruitdf = pd.DataFrame({ 'price': price , 'qty':qty})
  16. What is sum(fruitdf.iloc[1:3,1])?
           price=pd. Series ({ 'cherry ':2, 'berry ':1, 'orange ':3, 'apple ':4, 'plum ':7})
           qty=pd. Series({'cherry':12,'berry':7,'orange':8,'apple':31})
           fruitdf = pd.DataFrame({ 'price':price, 'qty':qty})
     3
  17. What is fruitdf.iloc[[1,4]]['price'].sum()?
           price=pd. Series({'cherry':2,'berry':1,'orange':3,'apple':4,'plum':7})
           qty=pd. Series ({ 'cherry ':12, 'berry ':7, 'orange ':8, 'apple ':31})
           fruitdf = pd.DataFrame({ 'price': price, 'qty': qty})
  18. What is fruitdf.loc['apple':'cherry','price'].mean()?
           price=pd. Series({'cherry':2,'berry':1,'orange':3,'apple':4,'plum':7})
           qty=pd. Series({ 'cherry ':12, 'berry ':7, 'orange ':8, 'apple ':31})
     2.
           fruitdf = pd.DataFrame({ 'price': price , 'qty':qty})
     3
| Sum (frintial, inc [[1,4]]['9ty']) > error. |
| fruital. Toc [[1,4]]['9ty'], Sum() \rightarrow 7.0
```