Sex1 = 0 2 4, 6, 8]

Sex1 = 0 2 4

2 6

3 1 8 (i) print((st1) 2) EMMARINES? [2,4,6,8,2,4,6,8] (ii) print(sen *2) for list values to double we well 12. li) the operation is performed on listand not on indivial values within list (ii) for series object the operation adds on the elements of series. SI= pd. Senies (doto= 2'A':7600, A 7600 Q3. S (=) 'B':5600, B 5600 101:7000; C 7000 D 7000 S1. Endy = range (0(5)) Index = ['A'B', ic", b']) 24. ELLOS. asthere are only 4, clements in the series

(1) fst = [9,10,11] obl = pd. Series (data = f8t*2). (lifst = pd. Senies (dato=[9,10,11]) obsz = pd. Senies (dato=fst*2). No, they pooduce different outcomes reason is as discursed in 81/2 that Ruhen list is operated the operation act on whore list and not individual g6° Ser-> 30 values (a) ser, head () > first 5 elements (b) ser. head (8) 1 first 8 elements les sero tail (1) relast élement (d) ser, tail (11) vo last 11 elements. All output different segments of Series (a), (b) have first 5 eleverts common both them & (c)(d) have lost element common

6 1 2 4 5 0 12 10 2 15 4 20 6 S1 + S2 15 NaN 1234 Nan' NaN 6 NaN. (b) S1-S2 0 Man -4 Nan 123456 Nan 0 0 0 43 Towe False False 23 0123 -26 -83

(C) SI= pd. Senies (S). point (SI) 0 0.43 2 0.6! 3 -0.26 3 -0.83 (d) 83=pd. Senies (81) +3 point (S3) 3.43 3.61 -2-74 3 2.17. 99° let S ⇒ 0 \$0.43 2-0.26 3-0.83 4-14 Nothing. (a) print(S[1:1]) ~ [] first elemen (b) point (S[0:1]) to 20.43 (c) point (s[0:2]), o 0.43 first 2 elements (d) S[0:2]=12.

point(s) 0 0 127 first 2 element > changed to value assigned 121 2 -0.26 (e) print (sindur) 3.0.83 0,1,2,3,8. point (sonalues) 12,12,0.26,0.83, 184

2 -0.26 Sounder=[IAMZN', 'AAPL', 'MSFT', 6806] point (s) AMZN 12 AAPL 12 MSFF -0.26 GOOG -0.83 point (S[AMZN1]), , , 12, SCAMZN'J=1.5 print (SC'AMZN'3) >> 105 point (S) AMIZN 1.5 AAPL 12 MSFT -0.26 6006 -0.83 Si=pd. Senies (mange (1, 15, 3), indep = List ('ababa')) point (Si E'alo')) S1-10 0 1 4 7 6 10 2 13 enror there is no indup as ab. Another error Pin endering is that it is not endering so, there remains confusion unique so, there remains confusion on fusion funder is being referred to mumbers as to which finders is being referred to mumbers corrected > print(s, [0:2]) index