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| 1. | <pre>m, n = -2, 2 n = m n print (n)</pre> | i) 0, | ii) 2, | iii) -2, | iv) 1. |
| 2. | <pre>D = {True: 'yes', 1: 'no', 1.0: 'maybe'} print(len(D), D[True])</pre> | i) 2 no, | ii) 1 maybe, | iii) 1 yes, | iv) 3 yes. |
| 3. | <pre>print (0.1 + 0.2 == 0.3)</pre> | i) 0.3, | ii) True, | iii) False, | iv) 0 |
| 4. | <pre>n = (i for i in range(2)) print (list(n) + list(n))</pre> | i) [[0, 1] [0, 1]], | ii) [0, 1, 0, 1], | iii) [0, 2], | iv) [0, 1]. |
| 5. | <pre>def addition(x, y=[]): y.append(x) return sum(y) print (addition(2), addition(4), addition(6, []))</pre> | i) 2 6 6, | ii) 2 4 6, | iii) 2 6 12, | iv) 2 6. |
| 6. | <pre>chop = lambda string : print (string[-len(string):-1]) chop ("Computing")</pre> | i) Computing, | ii) Computin, | iii) omputing, | iv) gnitupmoC. |
| 7. | <pre>n = 9 for i in range(n//2, n, --1): print (i, end = " ") print ("*")</pre> | i) 5 6 7 8 *, | ii) 4 6 8 *, | iii) 4 5 6 7 8 *, | iv) *. |
| 8. | <pre>print ([i for i in range(3)] == (i for i in range(3)))</pre> | i) False, | ii) True, | iii) [0, 1, 2], | iv) (0, 1, 2). |
| 9. | <pre>ls = [0, 1, 2, 3, 4] for i in ls: ls.remove(i) print(ls)</pre> | i) [1, 3], | ii) [0, 2, 4], | iii) [0], | iv) []. |
| 10. | <pre>def even(n): if n == 0: return True return odd(n-1) def odd(n): if n == 0: return False return even(n-1) print (odd(3), even(6))</pre> | i) True True, | ii) True False, | iii) False True, | iv) False False. |

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| 11. | <pre>def surprise(s): if len(s) <= 1: return s return surprise(s[1:]) + s[0] print (surprise('BSDS'))</pre> | i) BSDS, | ii) BD, | iii) SS, | iv) SDSB. |
| 12. | <pre>for i in range(3): print(i, end = " ") else: print('Bye', end = " ")</pre> | i) 0 1 2, | ii) 0 Bye 1 Bye 2 Bye, | iii) 0 1 2 Bye, | iv) Bye. |
| 13. | <pre>def function(n): if n > 100: return n - 10 return function(function(n + 11)) print (function(99))</pre> | i) 89, | ii) 100, | iii) 111, | iv) 91. |
| 14. | <pre>s = {i % 2 == 0 for i in range(3)} print(s)</pre> | i) {False, True}, | ii) {True, False}, | iii) {True, False, True}, | iv) {}. |
| 15. | <pre>i, j = 5, 5 while i: while j: if j: j -= 1 continue i -= 2 print (i, j)</pre> | i) 0 0, | ii) 1 0, | iii) 0 1, | iv) Infinite loop. |
| 16. | <pre>x = [i for i in range(5)] y = [i for i in x if x.remove(i) is None] print (y)</pre> | i) [0, 2, 4], | ii) [1, 3], | iii) [0, 1, 2, 3, 4], | iv) []. |
| 17. | <pre>def outer(): x = 5 def inner(): return x + 1 x = 10 return inner() print(outer())</pre> | i) 5, | ii) 6, | iii) 10, | iv) 11. |
| 18. | <pre>def function(x, ls = []): ls.append(x); return ls print (function(1), function(2, []))</pre> | i) [1, 2], | ii) [1] [1, 2], | iii) [1] [2], | iv) None. |
| 19. | <pre>gen = (i*i for i in range(3)) print (list(gen), list(gen))</pre> | i) [0, 1, 4] [0, 1, 4], | ii) [0, 1, 4] [], | iii) [] [0, 1, 4], | iv) [] []. |
| 20. | <pre>n = min(max(False, -2, -1), 2, 1) print (2**n)</pre> | i) 4, | ii) 2, | iii) 1, | iv) 0.5. |