# CSSE1001: Sem. 1 2011 exam answers

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The library doesn’t have a direct link to the exam paper in their listing of all past exams, so here it is: <https://www.library.uq.edu.au/pdfserve.php?image=1101/csse1001_st.pdf>

1. What does the expression 7/2/2.0 evaluate to?

(a) 1

(b) 1.0

(c) 1.5

(d) 1.75

(e) 2

Answer: c

2. What does the expression 7.0/2/2 evaluate to?

(a) 1

(b) 1.0

(c) 1.5

(d) 1.75

(e) 2

Answer: d

3. What does the expression 2 \* [3, 4, 5] evaluate to?

(a) [6, 8, 10]

(b) [2, 3, 4, 5]

(c) [3, 4, 5, 3, 4, 5]

(d) Error

Answer: c

4. What does the expression 2 + [3, 4, 5] evaluate to?

(a) [5, 6, 7]

(b) [2, 3, 4, 5]

(c) [[2, 3], [2, 4], [2, 5]]

(d) Error

Answer: d

5. What does the expression list(2) + [3, 4, 5] evaluate to?

(a) [5, 6, 7]

(b) [2, 3, 4, 5]

(c) [[2, 3], [2, 4], [2, 5]]

(d) Error

Answer: d

6. After the assignment x = 'I love Spam', which of the following assigns 'e' to the variable y?

(a) y = x[5]

(b) y = x [6]

(e) y = x [-7]

(d) None of the above

Answer: a

7. After the assignment x = 'I love Spam', which of the following assigns 'Sp' to the variable y?

(a) y = x[7:8]

(b) y = x[7:9]

(e) y = x[8:9]

(d) y = x[8: 10]

(e) None of the above

Answer: b

8. After the assignment x = 'I love Spam', which of the following assigns 'Spam' to the variable y?

(a) y = x[-4:-1]

(b) y = x[-5:-1]

(e) y = x [-4 :]

(d) y = x[-5:]

(e) None of the above

Answer: c

9. After the assignment x = 'I love Spam', which of the following assigns 'S e' to the variable y?

(a) y = x[-5:-8:-1]

(b) y = x[-4:-7:-1]

(e) y = x[5:7:-1]

(d) y = x[8:5:-1]

(e) None of the above

Answer: b

10. What is the value of z after the following is evaluated?

x = ' aaa , 24 \n'

y = x.split(',')

z = (y[0].strip(), int(y[1]))

(a) (' aaa ‘, 24)

(b) ('aaa ,', 24)

(c) (' aaa' , ' 24')

(d) Error

(e) None of the above

Answer: e - z is (‘aaa’, 24)

11. What is the value of x after the following is evaluated?

def f(x):

y = x[0]

x = x[1:]

x.append(y)

return x

x = [1,2,3]

x = f(x) + x

(a) [1, 2, 3, 1, 2, 3]

(b) [2, 3, 1, 1, 2, 3]

(c) [2, 3, 1, 2, 3, 1]

(d) [1, 2, 3, 2, 3, 1]

(e) Error

Answer: b - x was passed into f, but remained unmodified because f did not modify the original x, only its own local variable x which was assigned to a subset of the original x.

12. c) - written in the course notes.

13. c)

14. b)

15. a)

16. c)

17. a)

18. d)

19. a)

20. c)

21. b)

22. b)

23. e)

24. b)

25. c)

26. a)

27. d)

28. d)

29. a)

30. b)

31. a)

32. c)

33. d)

34. c)

35. d)

36. b)

37. a)

38. b)

39. c)

40. The closest to being correct is c), but the correct answer has not actually been given as an option. When put through the compiler, y is [(0, 2), (1, 1), (2, 0), (3, 0)]