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26. In python we do not specify types; it is directly interpreted by the compiler, so consider the following operation to be performed.

1.>>>x = 13 ? 2 objectives is to make sure x has a integer value, select all that apply (python 3.xx)

- a) x = 13 // 2
- b) x = int(13 / 2)
- c) x = 13 % 2
- d) All of the mentioned

27. What error occurs when you execute?

apple = mango

- a) SyntaxError
- b) NameError
- c) ValueError
- d) TypeError

28. Carefully observe the code and give the answer.

1.def example(a):

- 2. a = a + '2'
- 3. a = a*2
- 4. return a

5.>>>example("hello")

- a) indentation Error
- b) cannot perform mathematical operation on strings
- c) hello2
- d) hello2hello2

29. What datatype is the object below ?

L = [1, 23, 'hello', 1].

- a) list
- b) dictionary
- c) array
- d) tuple

30. In order to store values in terms of key and value we use what core datatype.

- a) list
- b) tuple
- c) class
- d) dictionary

31. Which of the following results in a SyntaxError ?

- a) "Once upon a time...", she said.'
- b) "He said, 'Yes!'"

- c) '3\'
- d) ""That's okay""

32. The following is displayed by a print function call:

- 1.tom
- 2.dick
- 3.harry

Select all of the function calls that result in this output

- a) print("tom
\\ndick
\\nharry")
- b) print("tom\\ndick\\nharry")
- c) print('tom\\ndick\\nharry')
- d) print('tom
dick
harry')

33. What is the average value of the code that is executed below ?

1.>>>grade1 = 80

2.>>>grade2 = 90

3.>>>average = (grade1 + grade2) / 2

- a) 85
- b) 85.1
- c) 95
- d) 95.1

34. Select all options that print hello-how-are-you

- a) print('hello', 'how', 'are', 'you')
- b) print('hello', 'how', 'are', 'you' + '-' * 4)
- c) print('hello' + 'how-are-you')*
- d) print('hello' + '-' + 'how' + '-' + 'are' + 'you')

35. What is the return value of trunc() ?

- a) int
- b) bool
- c) float
- d) None

36. What is the output of print 0.1 + 0.2 == 0.3?

- a) True
- b) False
- c) Machine dependent
- d) Error

37. Which of the following is not a complex number?

- a) k = 2 + 3j
- b) k = complex(2, 3)

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- c) $k = 2 + 3i$
- d) $k = 2 + 3j$

38. What is the type of inf?

- a) Boolean
- b) Integer
- c) Float
- d) Complex

39. What does ~4 evaluate to?

- a) -5
- b) -4
- c) -3
- d) +3

40. What does ~~~~~~5 evaluate to?

- a) +5
- b) -11
- c) +11
- d) -5

41. Which of the following is incorrect?

- a) $x = 0b101$
- b) $x = 0x4f5$
- c) $x = 19023$
- d) $x = 03964$

42. What is the result of cmp(3, 1)?

- a) 1
- b) 0
- c) True
- d) False

43. Which of the following is incorrect?

- a) float('inf')
- b) float('nan')
- c) float('56'+'78')
- d) float('12+34')

44. What is the result of round(0.5) – round(-0.5)?

- a) 1.0
- b) 2.0
- c) 0.0
- d) None of the mentioned

45. What does $3 \wedge 4$ evaluate to?

- a) 81
- b) 12
- c) 0.75
- d) 7

46. The value of the expressions $4/(3*(2-1))$ and $4/3*(2-1)$ is the same. State whether true or false.

- a) True
- b) False

47. The value of the expression:

$$4 + 3 \% 5$$

- a) 4
- b) 7
- c) 2
- d) 0

48. Evaluate the expression given below if A=16 and B = 15.

$$A \% B // A$$

- a) 0.0
- b) 0
- c) 1.0
- d) 1

49. Which of the following operators has its associativity from right to left?

- a) +
- b) //
- c) %
- d) **

50. What is the value of x if: $x = \text{int}(43.55+2/2)$

- a) 43
- b) 44
- c) 22
- d) 23