

Naresh i Technologies, HYDERABAD

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("tomdickharry")

c) print('tom\n\ndick\n\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)

c) k = 2 + 3l

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?

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

42. What is the result of $\text{cmp}(3, 1)$?

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

43. Which of the following is incorrect?

- a) $\text{float}(\text{'inf'})$
- b) $\text{float}(\text{'nan'})$
- c) $\text{float}(\text{'56'}+\text{'78'})$
- d) $\text{float}(\text{'12+34'})$

44. What is the result of $\text{round}(0.5) - \text{round}(-0.5)$?

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

45. What does $3 ^ 4$ evaluate to?

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

Precedence and Associativity

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

51. What is the value of the following expression?

$$2+4.00, 2^{**}4.0$$

- a) (6.0, 16.0)
- b) (6.00, 16.00)
- c) (6, 16)
- d) (6.00, 16.0)

52. Which of the following is the truncation division operator?

- a) /
- b) %
- c) //
- d) |

53. What are the values of the following expressions:

$$\begin{aligned} &2^{**}(3^{**}2) \\ &(2^{**}3)^{**}2 \\ &2^{**}3^{**}2 \end{aligned}$$

- a) 64, 512, 64
- b) 64, 64, 64
- c) 512, 512, 512
- d) 512, 64, 512

54. What is the value of the following expression: $8/4/2, 8/(4/2)$

- a) (1.0, 4.0)
- b) (1.0, 1.0)
- c) (4.0, 1.0)
- d) (4.0, 4.0)

55. What is the value of the following expression: $\text{float}(22//3+3/3)$

- a) 8
- b) 8.0
- c) 8.3
- d) 8.33