

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\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)  
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?**

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- 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 ^ 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 = 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:**

2\*\*(3\*\*2)

(2\*\*3)\*\*2

2\*\*3\*\*2

- 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: float(22//3+3/3)**

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