

Python Questions and Answers

1. Is Python case sensitive when dealing with identifiers?

- a) **yes**
- b) no
- c) machine dependent
- d) none of the mentioned

2. What is the maximum possible length of an identifier?

- a) 31 characters
- b) 63 characters
- c) 79 characters
- d) **none of the mentioned**

3. Which of the following is invalid?

- a) `_a = 1`
- b) `__a = 1`
- c) `__str__ = 1`
- d) **none of the mentioned**

4. Which of the following is an invalid variable?

- a) `my_string_1`
- b) **`1st_string`**
- c) `foo`
- d) `_`

5. Why are local variable names beginning with an underscore discouraged?

- a) **they are used to indicate a private variables of a class**
- b) they confuse the interpreter
- c) they are used to indicate global variables
- d) they slow down execution

6. Which of the following is not a keyword?

- a) **eval**

- b) assert
- c) nonlocal
- d) pass

7. All keywords in Python are in _____

- a) lower case
- b) UPPER CASE
- c) Capitalized
- d) None of the mentioned**

8. Which of the following is true for variable names in Python?

- a) unlimited length**
- b) all private members must have leading and trailing underscores
- c) underscore and ampersand are the only two special characters allowed
- d) none of the mentioned

9. Which of the following is an invalid statement?

- a) `abc = 1,000,000`
- b) `a b c = 1000 2000 3000`**
- c) `a,b,c = 1000, 2000, 3000`
- d) `a_b_c = 1,000,000`

10. Which of the following cannot be a variable?

- a) `__init__`
- b) `in`**
- c) `it`
- d) `on`

11. Which is the correct operator for power(x^y)?

- a) `X^y`
- b) `X**y`**
- c) `X^^y`
- d) None of the mentioned

12. Which one of these is floor division?

- a) /
- b) //**
- c) %
- d) None of the mentioned

13. What is the order of precedence in python?

- i) Parentheses
- ii) Exponential
- iii) Multiplication
- iv) Division
- v) Addition
- vi) Subtraction
- a) i,ii,iii,iv,v,vi**
- b) ii,i,iii,iv,v,vi
- c) ii,i,iv,iii,v,vi
- d) i,ii,iii,iv,vi,v

14. What is the answer to this expression, $22 \% 3$ is?

- a) 7
- b) 1**
- c) 0
- d) 5

15. Mathematical operations can be performed on a string.?

- a) True
- b) False**

16. Operators with the same precedence are evaluated in which manner?

- a) Left to Right**
- b) Right to Left
- c) Can't say
- d) None of the mentioned

17. What is the output of this expression, $3*1**3$?

- a) 27
- b) 9
- c) 3**
- d) 1

18. . Which one of the following has the same precedence level?

- a) Addition and Subtraction**
- b) Multiplication, Division and Addition
- c) Multiplication, Division, Addition and Subtraction
- d) Addition and Multiplication

19. Which one of the following has the highest precedence in the expression?

- a) Exponential
- b) Addition
- c) Multiplication
- d) Parentheses**

20. Which of these is not a core data type?

- a) Lists
- b) Dictionary
- c) Tuples
- d) Class**

21. Given a function that does not return any value, What value is thrown by default when executed in shell.

- a) int
- b) bool
- c) void
- d) None**

22. What will be the output of the following Python code?

```
>>str="hello"
```

```
>>str[:2]
```

- a) **he**
- b) lo
- c) olleh
- d) hello

23. Which of the following will run without errors?

- a) **round(45.8)**
- b) round(6352.898,2,5)
- c) round()
- d) round(7463.123,2,1)

24. What is the return type of function id?

- a) **int**
- b) float
- c) bool
- d) dict

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

>>>x = 13 ? 2 objective 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**

26. What error occurs when you execute the following Python code snippet?

apple = mango

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

27. What will be the output of the following Python code snippet?

```
def example(a):  
    a = a + '2'  
    a = a*2  
    return a  
example("hello")
```

a) **indentation Error**

b) cannot perform mathematical operation on strings

c) hello2

d) hello2hello2

28. What data type is the object below?

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

a) **list**

b) dictionary

c) array

d) tuple

29. In order to store values in terms of key and value we use what core data type.

a) list

b) tuple

c) class

d) **dictionary**

30. 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""

31. In order to store values in terms of key and value we use what core data type.

a) list

b) tuple

c) class

d) **dictionary**

32. 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"""`