Python

Interview Questions

1. Which of the following is a feature of Python Docstring?
   1. All functions should have a docstring in python
   2. Docstrings can be accessed by the _doc_ attribute on objects
   3. This feature provides a very convenient way of associating documentation with python modules, functions, classes and methods
   4. All of the above

Answer. d. Python has a nifty feature, which is referred to as the documentation strings, usually referred to by its abbreviated name of docstrings. They are important tools and one must use them as they help document the program better along with making it easier to understand.

2. Amongst which of the following is / are the Numeric Types of Data Types?

   A. int
   B. float
   C. complex
   D. All of the mentioned above

Answer: D) All of the mentioned above

Explanation:

Numeric data types include int, float, and complex, among others. In information technology, data types are the classification or categorization of knowledge items. It represents the type of information that is useful in determining what operations are frequently performed on specific data.

3. list, tuple, and range are the ___ of Data Types.

    A. Sequence Types
    B. Binary Types
    C. Boolean Types
    D. None of the mentioned above

Answer: A) Sequence Types

Explanation:

The sequence Types of Data Types are the list, the tuple, and the range. In order to store multiple values in an organized and efficient manner, we use the concept of sequences.

4. Float type of data type is represented by the float class.

    A. True
    B. False

Answer: A) True

Explanation:

The float data type is represented by the float class of data types. A true number with a floating-point representation is represented by the symbol.

5. Binary data type is a fixed-width string of length bytes?

A. True

B. False

Answer: A) True

Explanation:

It is a fixed-width string of length bytes, where the length bytes is declared as an optional specifier to the type, and its width is declared as an integer.

6. Var binary data type returns variable-width string up to a length of max-length bytes?

A. TRUE

B. FALSE

Answer: A) TRUE

Explanation:

Var binary - a variable-width string with a length of max-length bytes, where the maximum number of bytes is declared as an optional specifier to the type, and where the maximum number of bytes is declared as an optional specifier to the type.

7. Is Python supports exception handling?

A. Yes

B. No

Answer: A) Yes

Explanation:

Unexpected events that can occur during a program's execution are referred to as exceptions, and they can cause the program's normal flow to be interrupted.

8. The % operator returns the ____.

    A. Quotient
    B. Divisor
    C. Remainder
    D. None of the mentioned above

Answer: C) Remainder

Explanation:

The % operator (it is an arithmetic operator) returns the amount that was left over. This is useful for determining the number of times a given number is multiplied by itself.

9. The list.pop ([i]) removes the item at the given position in the list?

    A. True
    B. False

Answer: A) True

Explanation:

The external is not a valid variable scope in PHP.

10. Python Dictionary is used to store the data in a ____ format.

    A. Key value pair
    B. Group value pair
    C. Select value pair
    D. None of the mentioned above

Answer: A) Key value pair

Explanation:

Python Dictionary is used to store the data in a key-value pair format, which is similar to that of a database. The dictionary data type in Python is capable of simulating the real-world data arrangement in which a specific value exists for a specific key when the key is specified.

11. The following is used to define a ____.

d = {

    <key>: <value>,

    <key>: <value>,

    .

.

.

                <key>: <value>

}

Group

List

Dictionary

All of the mentioned above

Answer: C) Dictionary

12. Python Literals is used to define the data that is given in a variable or constant?

    A. True
    B. False

Answer: A) True

Explanation:

It is possible to define literals in Python as data that is provided in a variable or constant. Literal collections are supported in Python as well as String and Numeric literals, Boolean and Boolean expressions, Special literals, and Special expressions.

13. The if statement is the most fundamental decision-making statement?

    A. True
    B. False

Answer: A) True

Explanation:

The if statement is the most fundamental decision-making statement, and it determines whether or not the code should be executed based on whether or not the condition is met. If the condition in the if statement is met, a code body is executed, and the code body is not otherwise executed.

14. Amongst which of the following if syntax is true?

if condition:

    #Will executes this block if the condition is true

if condition

{

    #Will executes this block if the condition is true

}

if(condition)

#Will executes this block if the condition is true

None of the mentioned above

Answer: A)

if condition:

    #Will executes this block if the condition is true

15. Amongst which of the following is / are the conditional statement in Python code?

    A. if a<=100:
    B. if (a >= 10)
    C. if (a => 200)
    D. None of the mentioned above

Answer: A) if a<=100:

Explanation:

The if statement in Python is used to make decisions in various situations. It contains a body of code that is only executed when the condition specified in the if statement is true; if the condition is not met, the optional else statement is executed, which contains code that is executed when the else condition is met.

16. Amongst which of the following is / are the conditional statement in Python code?

    A. if a<=100:
    B. if (a >= 10)
    C. if (a => 200)
    D. None of the mentioned above

Answer: A) if a<=100:

Explanation:

The if statement in Python is used to make decisions in various situations. It contains a body of code that is only executed when the condition specified in the if statement is true; if the condition is not met, the optional else statement is executed, which contains code that is executed when the else condition is met.

17. Which of the following is false regarding conditional statement in Python?

    A. If-elif is the shortcut for the if-else chain
    B. We use the dictionary to replace the Switch case statement
    C. We cannot use python classes to implement the switch case statement
    D. None of the mentioned above

Answer: C) We cannot use python classes to implement the switch case statement

Explanation:

It is possible to shorten the if-else chain by using the if-elif construct. Use the if-elif statement and include an else statement at the end, which will be executed if none of the if-elif statements in the previous section are true.

18. In a Python program, Nested if Statements denotes?

    A. if statement inside another if statement
    B. if statement outside the another if statement
    C. Both A and B
    D. None of the mentioned above

Answer: A) if statement inside another if statement

Explanation:

Nesting an if statement within another if statement is referred to as nesting in the programming community. It is not always necessary to use a simple if statement; instead, you can combine the concepts of if, if-else, and even if-elif-else statements to create a more complex structure.

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

a=7

if a>4: print("Greater")

Greater

7

4

None of the mentioned above

Answer: A) Greater

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

X,y = 12,14

```python
if(x +y==26):
    print("true")
else:
    print("false")
```

a) true

b) false

Answer: A) true

iNeuron

iNeuron Intelligence Pvt Ltd

Explanation:

In this code the value of x = 12 and y = 14, when we add x and y the value will be 26 so x + y= =26. Hence, the given condition will be true.