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1What is Python?

-Python is a high-level, interpreted programming language.

2What is the latest version of Python?

-As of my knowledge cutoff date of September 2023, the latest version of Python is 3.11.2.

3What is PEP 8?

PEP 8 is a style guide for Python code, which recommends certain coding conventions and best practices.

4How do you comment out a line of code in Python?

-You can use the hash symbol (#) to comment out a line of code in Python.

5How do you print a string in Python?

-You can use the print() function to print a string in Python. For example: print("Hello, World!")

6What is a variable in Python?

-A variable is a named container for storing data in Python.

7How do you declare a variable in Python?

-You can declare a variable in Python by assigning a value to it using the equals sign (=). For example: x = 5

8What is the difference between single quotes and double quotes in Python?

-In Python, single quotes and double quotes are used to delimit strings, and there is no difference between them.

9How do you concatenate strings in Python?

-You can concatenate strings in Python using the + operator. For example: "Hello, " + "World!"

10What is a list in Python?

-A list is a collection of items that can be of any data type, separated by commas and enclosed in square brackets.

11How do you add an item to a list in Python?

-You can use the append() method to add an item to a list in Python. For example: my\_list.append("item")

12How do you access an item in a list in Python?

-You can access an item in a list in Python using its index. For example: my\_list[0] will access the first item in the list.

13What is a tuple in Python?

-A tuple is a collection of items that can be of any data type, separated by commas and enclosed in parentheses.

14How do you declare a tuple in Python?

-You can declare a tuple in Python by enclosing the items in parentheses. For example: my\_tuple = (1, 2, 3)

15What is a dictionary in Python?

-A dictionary is a collection of key-value pairs, enclosed in curly braces.

16How do you add a key-value pair to a dictionary in Python?

-You can add a key-value pair to a dictionary in Python by using the square bracket notation. For example: my\_dict["key"] = "value"

17How do you access a value in a dictionary in Python?

-You can access a value in a dictionary in Python using its key. For example: my\_dict["key"] will access the value associated with "key".

18What is a function in Python?

-A function is a named block of code that performs a specific task.

19How do you define a function in Python?

-You can define a function in Python using the def keyword, followed by the function name and parameters. For example: def my\_function(parameter1, parameter2):

20What is a module in Python?

-A module is a file containing Python code that can be imported into another Python program.

21How do you import a module in Python?

-You can import a module in Python using the import keyword, followed by the module name. For example: import my\_module

22What is a class in Python?

-A class is a blueprint for creating objects in Python.