

Python Print Function & Data Types Guide Author: Madhu Dadi Tags: python Source: <https://madhudadi.in/blog/post>

[code block]Output[code block]Python print statement displaying a name variableExplanation- The code attempts to

[code block]Output[code block]Displaying floating-point number output in Python consoleExplanation- The code sn

This code snippet demonstrates how to print multiple data types in Python. Explanation- The print() function is used

set to `'/`. - As a result, the output will display `Hello/1/4.5/True`.`[code block]Output[code block]`This code snippet outputs

[code block]This code snippet demonstrates how to customize the end character of a print statement in Python. Exp

- The code prints the value of 1 multiplied by 10 raised to the power of 308, which is a very large floating-point number.

- This behavior highlights the limitations of floating-point representation and the concept of infinity in numerical computing.

Explanation- The code utilizes the print function to output a complex number. - The complex number is represented

Python.[code block]Output[code block]Displaying a set of unique integers in Python.Explanation- The code uses th

Explanation- The `type()` function is a built-in Python function that returns the type of an object. - In this snippet, type

- This function is useful for debugging and understanding the data types of variables in Python. [code block] Output [c

Output[code block]3 - VariablesStatic vs Dynamic TypingStatic vs Dynamic BindingStylish declaration techniquesA

[code block]Python script demonstrating basic arithmetic addition and output printingExplanation- Two integer variables are defined and their sum is calculated and printed.

feature. - This code illustrates how a variable can change its type during runtime without any explicit type declaration

Output[code block]This code snippet demonstrates variable assignment and printing multiple variables in Python. Ex

[code block]4 - Keywords & IdentifiersKeywords!image.pngUnderstanding Python Identifiers and Their Naming Rules

[code block]Output[code block]This code prompts the user to enter their name via standard input.Explanation- The

6 - Type Conversion Understanding Implicit Type Conversion in Python Arithmetic Operations Explanation- The code

Explanation- The code uses the built-in `int()` function to convert a string '4' into its integer equivalent 4. - This conversion

both real and imaginary parts. - Executing this code will raise a TypeError, indicating that the conversion is not valid

[code block]Output[code block]This code snippet captures user input and performs addition on two numbers.Explan

Output[code block]Demonstrating various string types and printing in PythonExplanation- The code initializes differ

Python code demonstrating None type assignment and type checking Explanation- Variable 'a' is assigned the spe

Python variable initialization and print statement execution Explanation- Variable k is initialized to None, representing

- The code uses the `print()` function with multiple arguments to output text with custom formatting- The `sep=' '` parameter

- The variables a and b are initialized with the values 3 and 5, respectively. - A temporary variable temp is used to

- Converts the input values into appropriate data types: integer for principal and time, and float for the rate. - Compu

will be provided by the user. Calculate the sum of squares of the first n natural numbers using PythonExplanation- T

This code snippet performs the addition of two fractions and outputs the result in fractional form. Explanation- The code

nearest whole number.- Finally, it prints the total number of glasses that can be filled with the tank's volume.[code b