Python Programming

Variables & Data Types

Certainly! Here are programming questions related to understanding Python variables and data types:

Questions

- Declare and initialize two variables, num1 and num2, with integer values. Calculate and print their sum.
- Create a variable, message, and assign it a string value. Append another string, " World!", to it and print the result.
- Define a variable, is_python_fun, and assign it a boolean value. Print a statement based on whether Python is considered fun.
- Create a list, fruits, with three different fruit names. Print the list and then add a new fruit to it. Print the updated list.
- Declare a variable, price, with a floating-point value. Convert it to an integer and print both the original and converted values.
- Create a dictionary, student_info, with keys for 'name', 'age', and 'grade'. Assign corresponding values and print the dictionary.
- Write a program that takes user input for their age and prints a message addressing their age group (e.g., "Teenager," "Adult").
- Define a complex number variable, comp_num, with a real and imaginary part. Print both parts separately.
- Combine two strings using string concatenation, and then use string interpolation to include the length of the resulting string in a print statement.
- Create a tuple, days_of_week, with the names of the days. Access and print the third day of the week.

These programming questions aim to assess your hands-on skills and practical understanding of working with Python variables and data types.

Best of Luck