Practice Questions

Question 1: Variable Assignment

Create a Python program that assigns the values `25` to a variable named `age`, `"Shivam"` to a variable named `name`, and `3.14` to a variable named `pi`. Print the values of these variables.

Question 2: Data Types

Write a Python program to demonstrate the use of different data types. Create a variable for each of the following data types and print their types using the `type()` function: an integer, a float, a string, and a boolean.

Question 3: Typecasting

Write a Python program that converts a string `"123"` to an integer, a float `45.67` to an integer, and an integer `99` to a string. Print the converted values.

Question 4: Using Operators

Write a Python program that performs the following operations:

1. Add 7 and 3.
2. Subtract 10 from 20.
3. Multiply 4 by 5.
4. Divide 20 by 4 and print the results.

Question 5: Input and Comments

Write a Python program that asks the user for their favorite number and prints a message saying "Your favorite number is X", where X is the number provided by the user. Add comments to explain each part of the code.