

Dart Programming Exercises Sheet

Exercises (Code these in Dart):

1. Write a simple Dart program with a main function which prints your name and age on separate lines.
2. Declare three variables: an integer for your birth year, a string for your city, and a boolean for if you like Dart programming. Print all three variables with descriptive messages.
3. Declare a var variable and assign a string value to it. Then reassign an integer to the same variable. Print the variable after each assignment.
4. Create two string variables: one with your first name and one with your last name. Concatenate and print the full name.
5. Declare an integer and a double variable representing your age and your height in meters respectively. Then declare a num variable and assign it the sum of the two variables. Print all three.
6. Declare a boolean variable isStudent and assign true if you are a student, false otherwise. Print a message reflecting the value.
7. Create a dynamic variable and assign it a string value. Then assign it a number. Print the variable after each assignment.
8. Write a Dart program that declares two numeric variables and performs addition, subtraction, multiplication, division, and modulo on them. Print each result.
9. Create a new Dart file. At the top, write a multi-line comment explaining your program. Inside the file, write simple code with proper indentation and single line comments.

Explanation Tasks (Write short answers):

1. Explain the purpose of the main function in Dart.
2. Describe the difference between var, dynamic, and explicitly typed variables in Dart.