

Dart Assignment: 25-9-2025

1. Write a program that defines variables representing your personal data using the appropriate data types:

Name (String) - Age (int) - Gender (String) - Favorite color (String) - Height (double) - Are you a student? (bool)

Then print all the data.

2. Write a program that takes the name and age from the user (input) and prints them.

3. Explain the difference between var and dynamic with a practical example, then print a message to show the difference.

4. Explain the similarities and differences between final and const with a practical example, then print a message to show the result.

5. Define variables of the following types: List, Map, Set.

Then perform operations on them such as:

Finding the length, printing the first element and other operations.

And print the results.

6. Explain the difference between: List, Map, Set And also the difference between Map and JSON

Provide an example to clarify the idea.

7. Print the even numbers from 1 to 60 in two different ways using: for loop - while loop

8. Write a program to calculate BMI (Body Mass Index) using switch case.

9. Write a function to calculate BMI using if conditions, then print the result when calling the function.

10. Explain the difference between while and do-while with an example that shows how each one works.

11. Write a program to generate and print the multiplication table of the number 5.

Answer all, create pdf that including the question and code screenshot.

Deadline: 27-9-2025