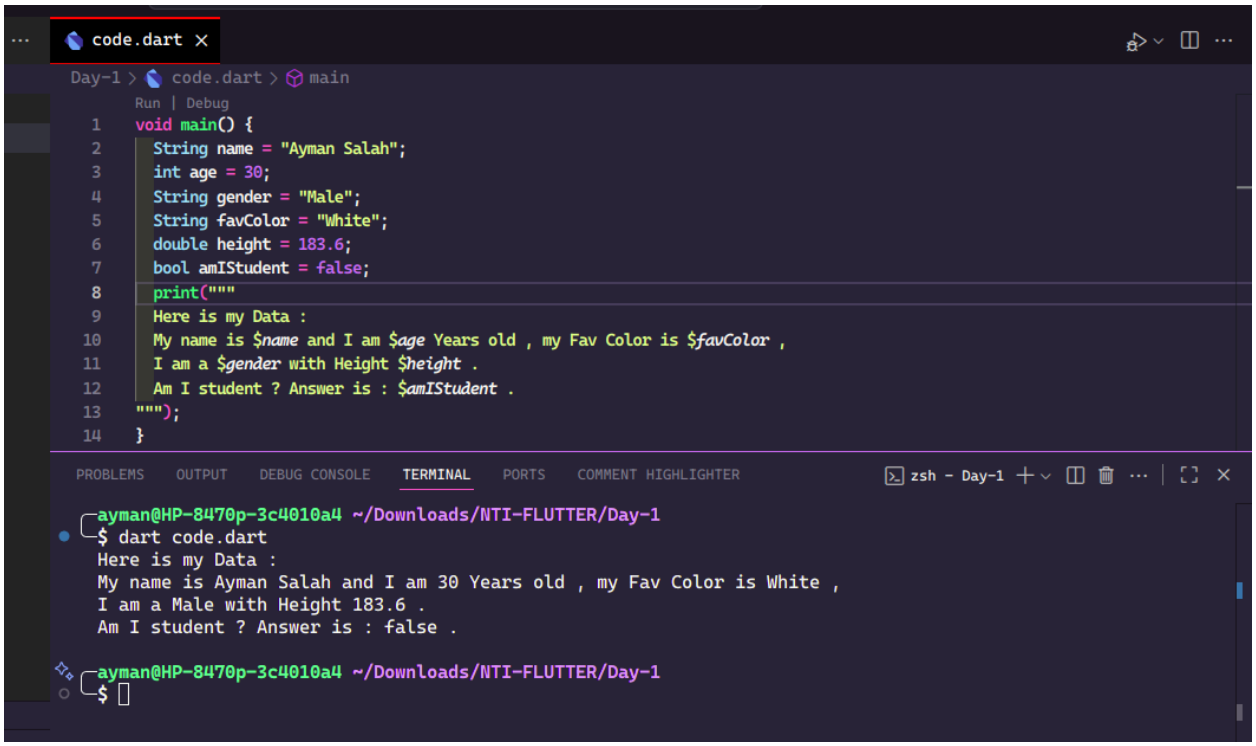
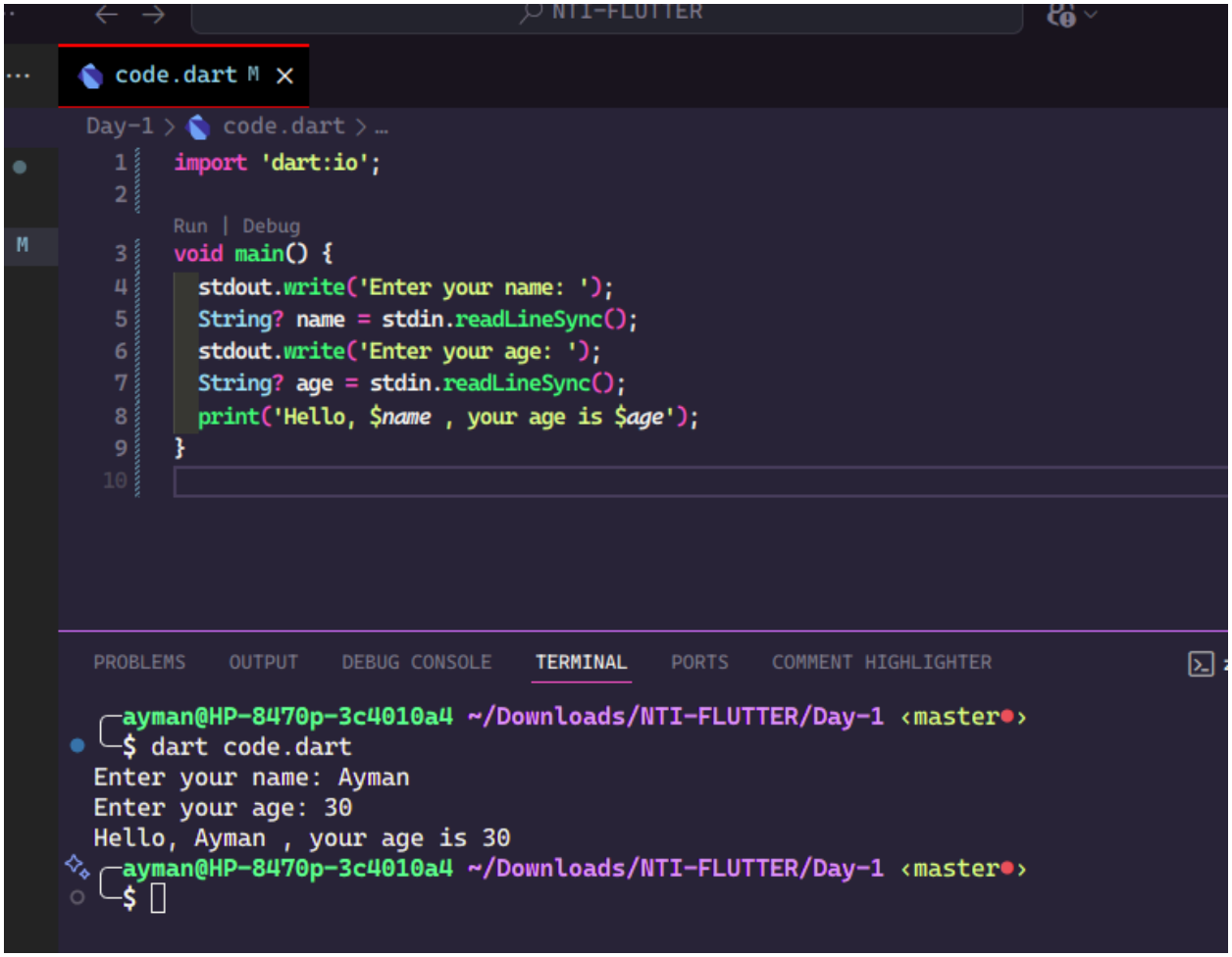
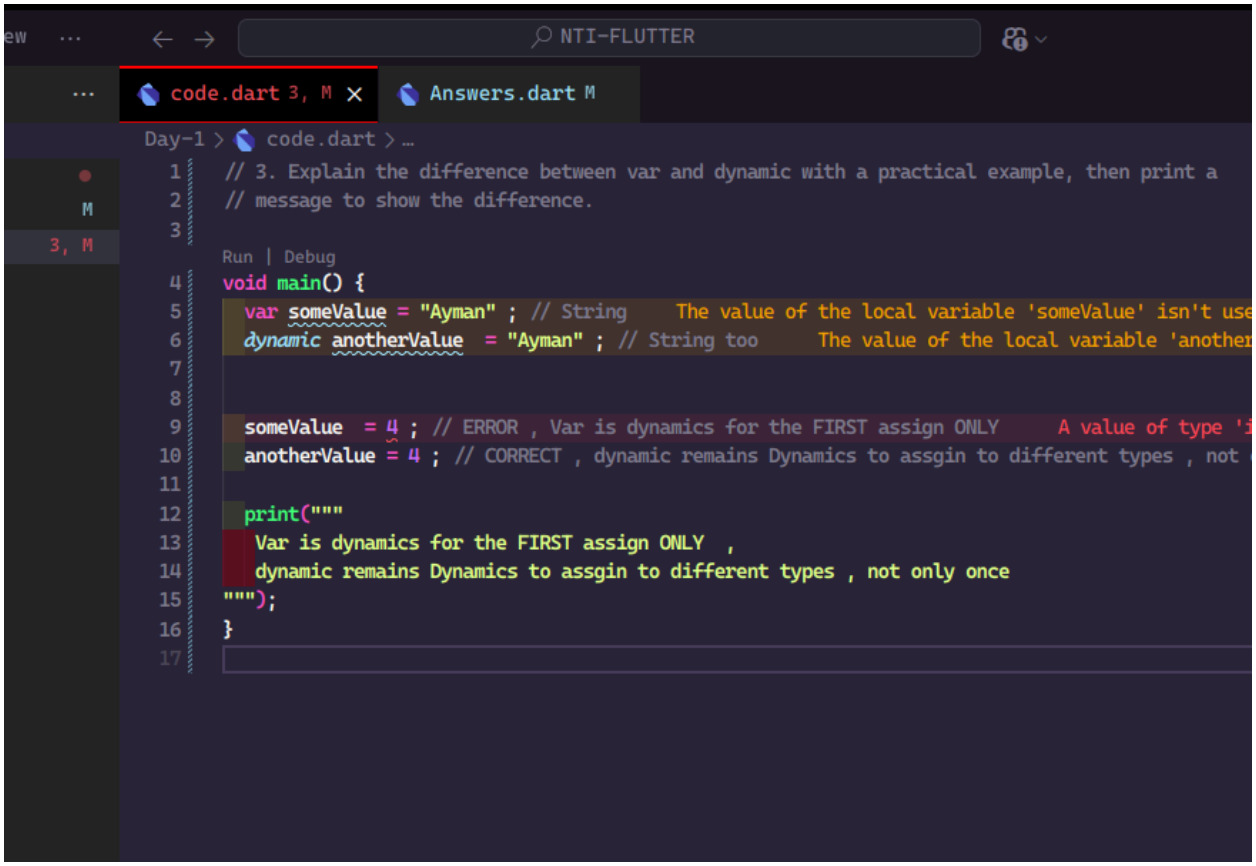
1. Write a program that defines variables representing your personal data using the appropriate data types:
Name (String) - Age (int) - Gender (String) - Favorite color (String) - Height (double) - Are you a student? (bool)
Then print all the data.



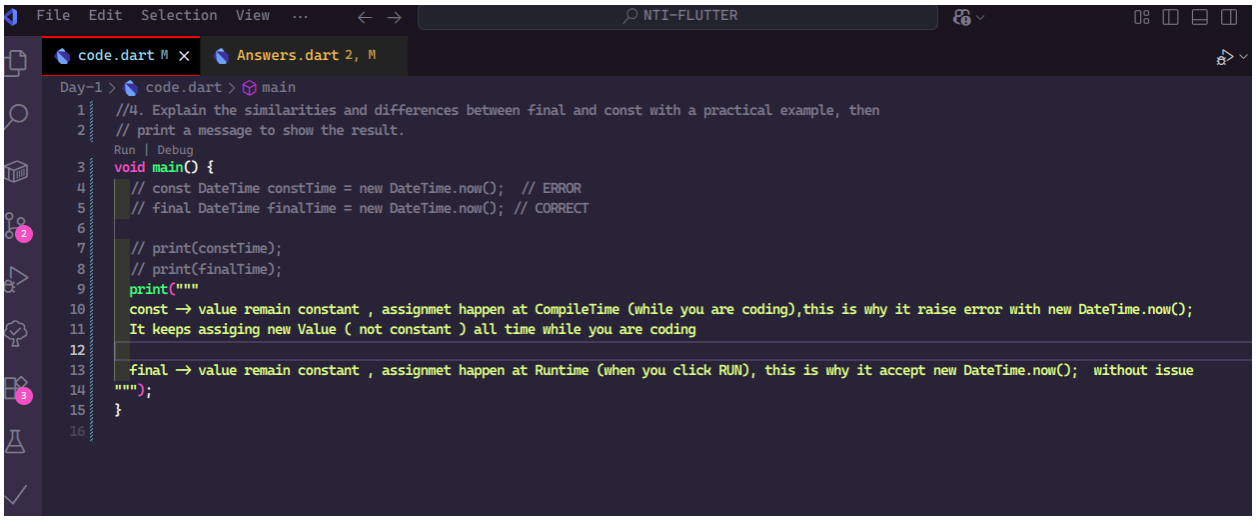
2. Write a program that takes the name and age from the user (input) and prints them.



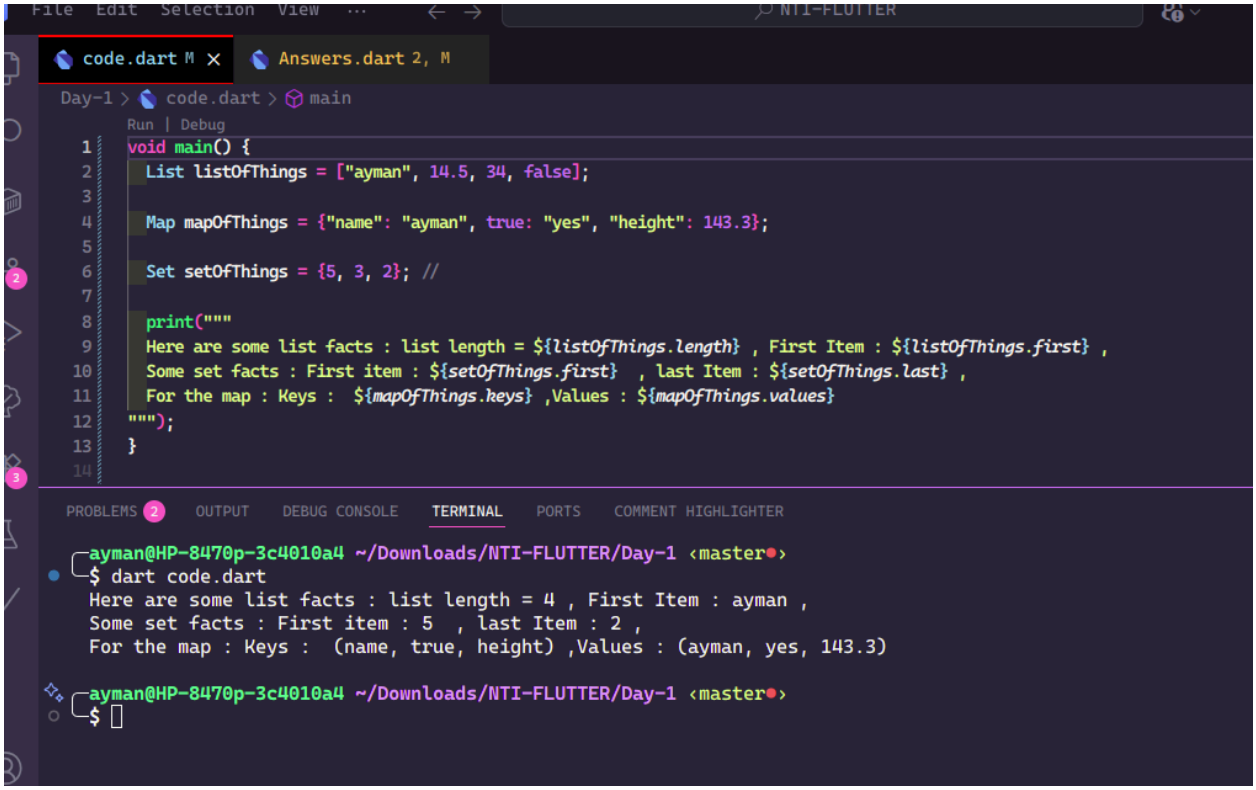
3. Explain the difference between var and dynamic with a practical example, then print a message to show the difference.



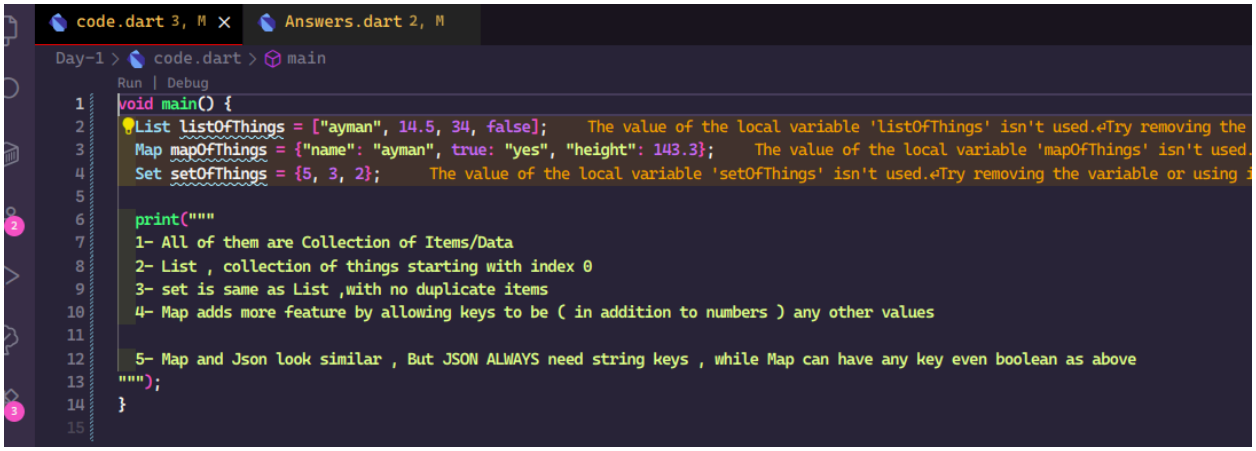
4. Explain the similarities and differences between final and const with a practical example, then print a message to show the result.



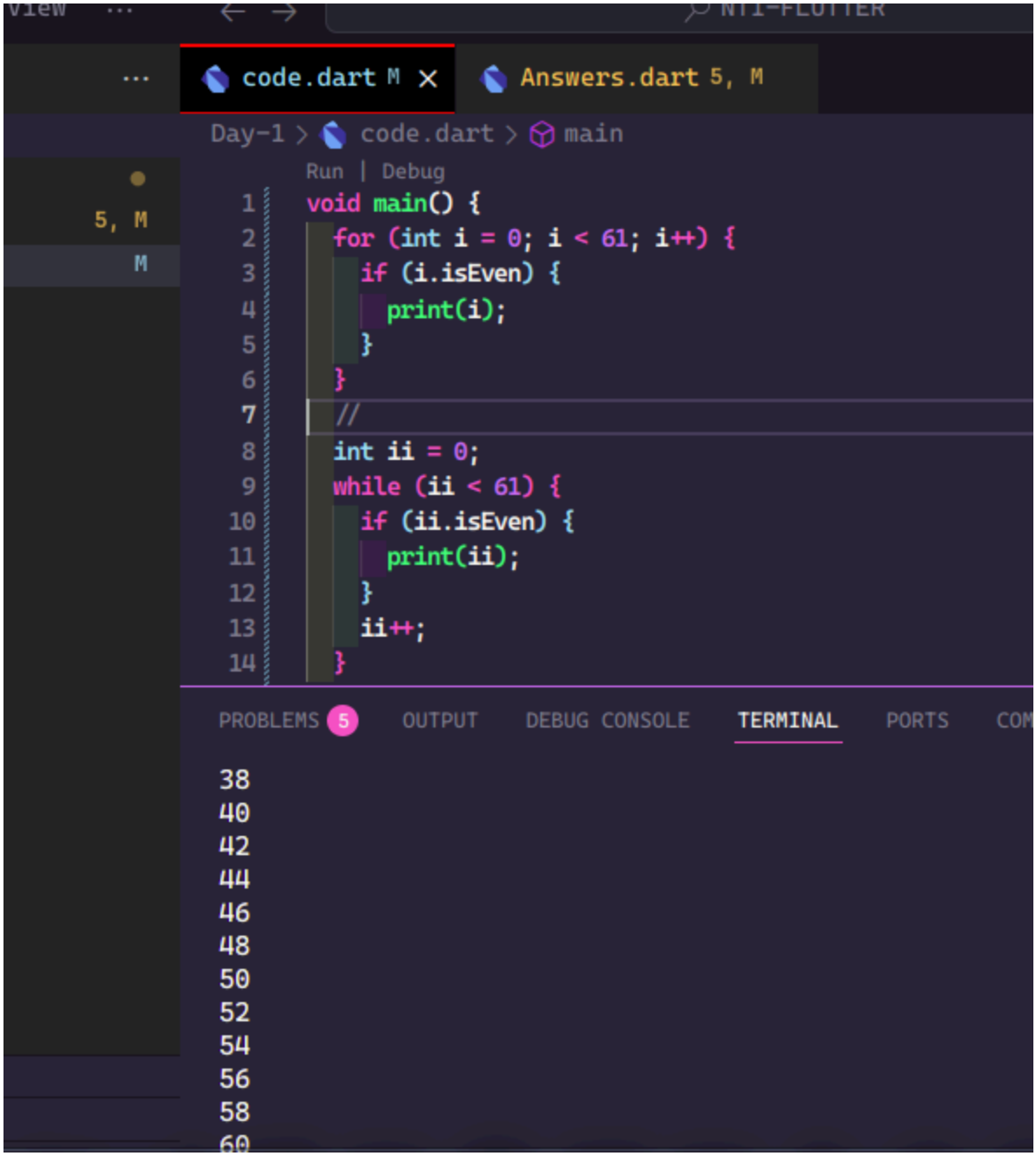
5. Define variables of the following types: List, Map, Set.
Then perform operations on them such as:
Finding the length, printing the first element and other operations.
And print the results.



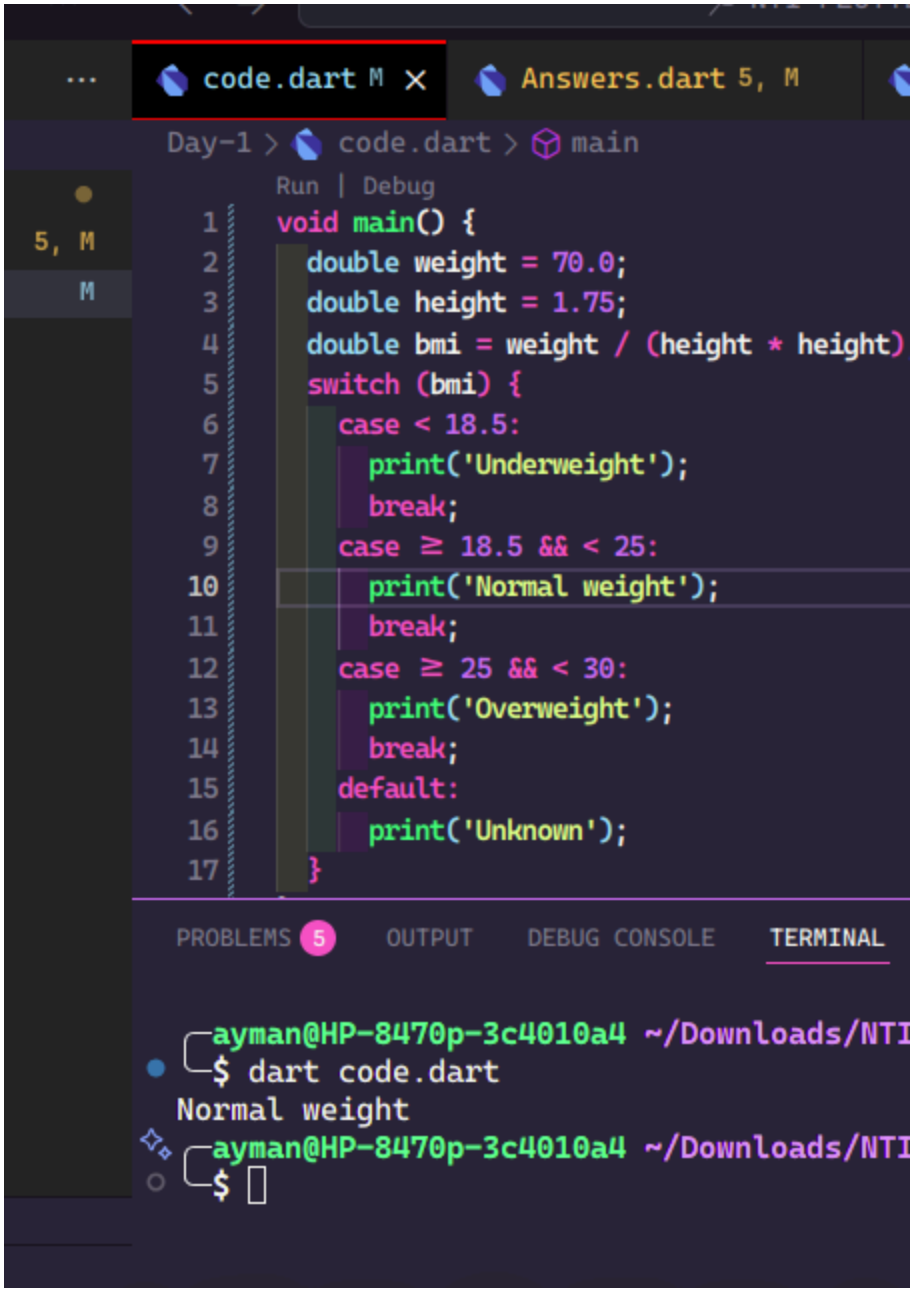
6. Explain the difference between: List, Map, Set And also the difference between Map and JSON , Provide an example to clarify the idea.



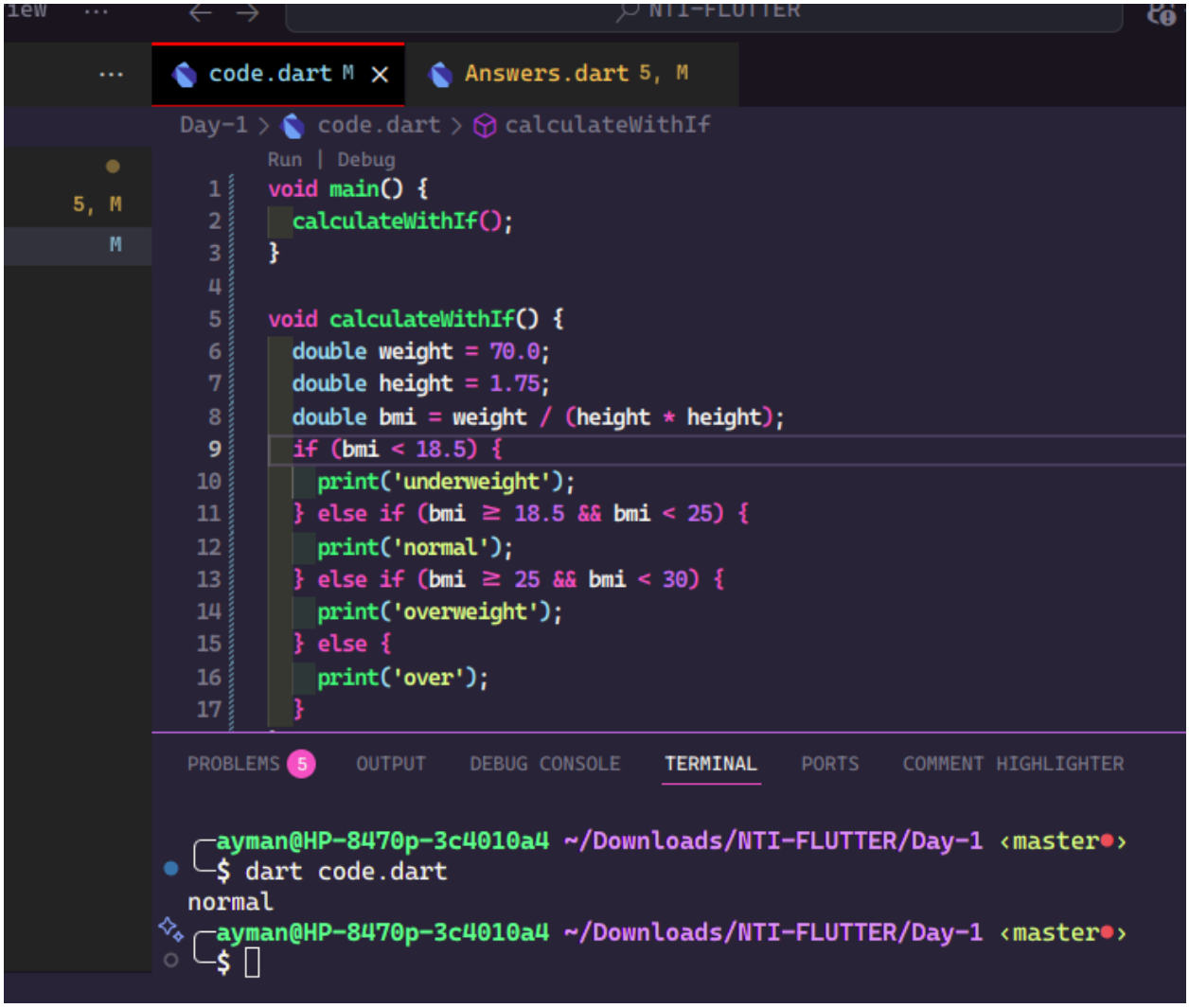
7. Print the even numbers from 1 to 60 in two different ways using: for loop - while loop



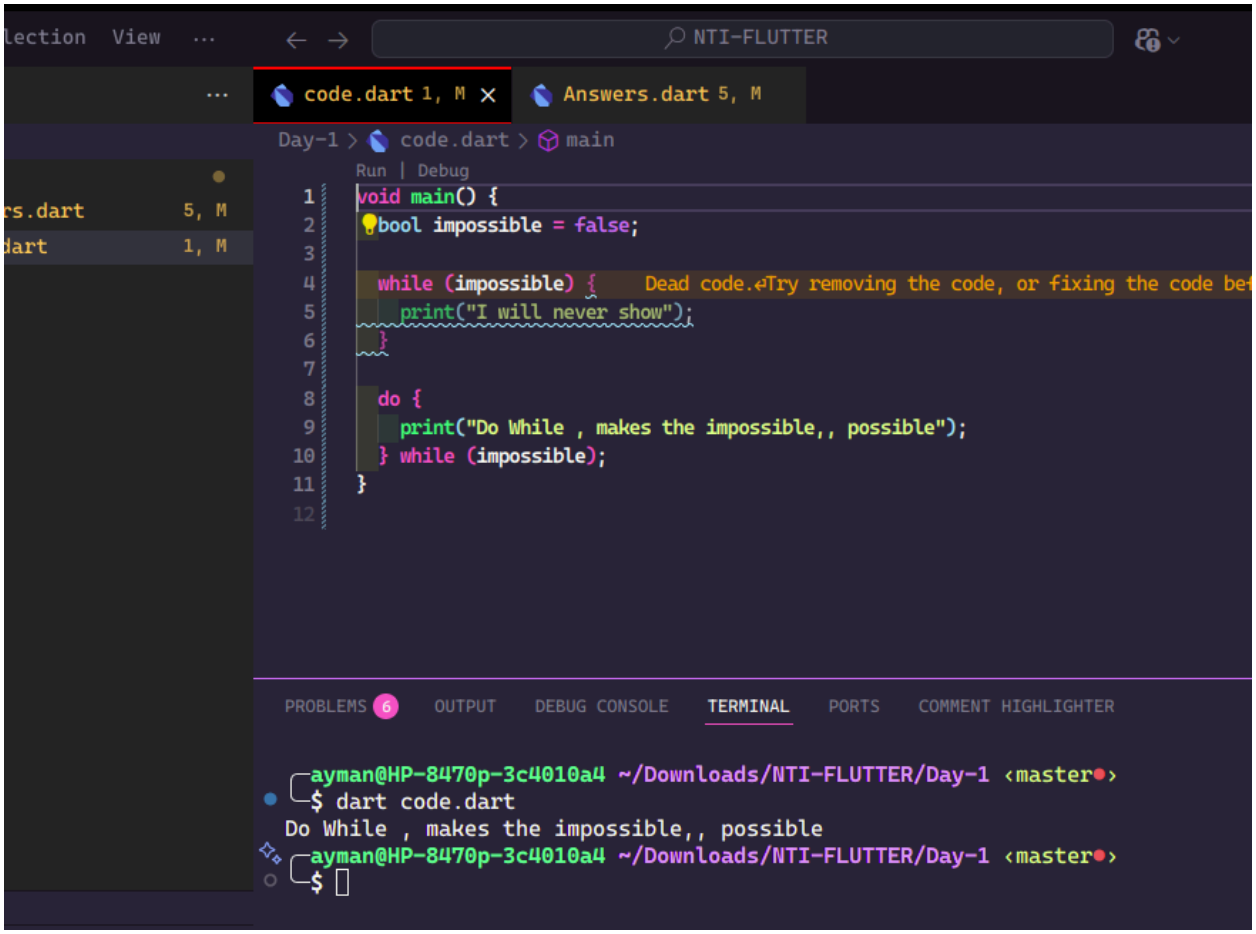
8. Write a program to calculate BMI (Body Mass Index) using switch case.



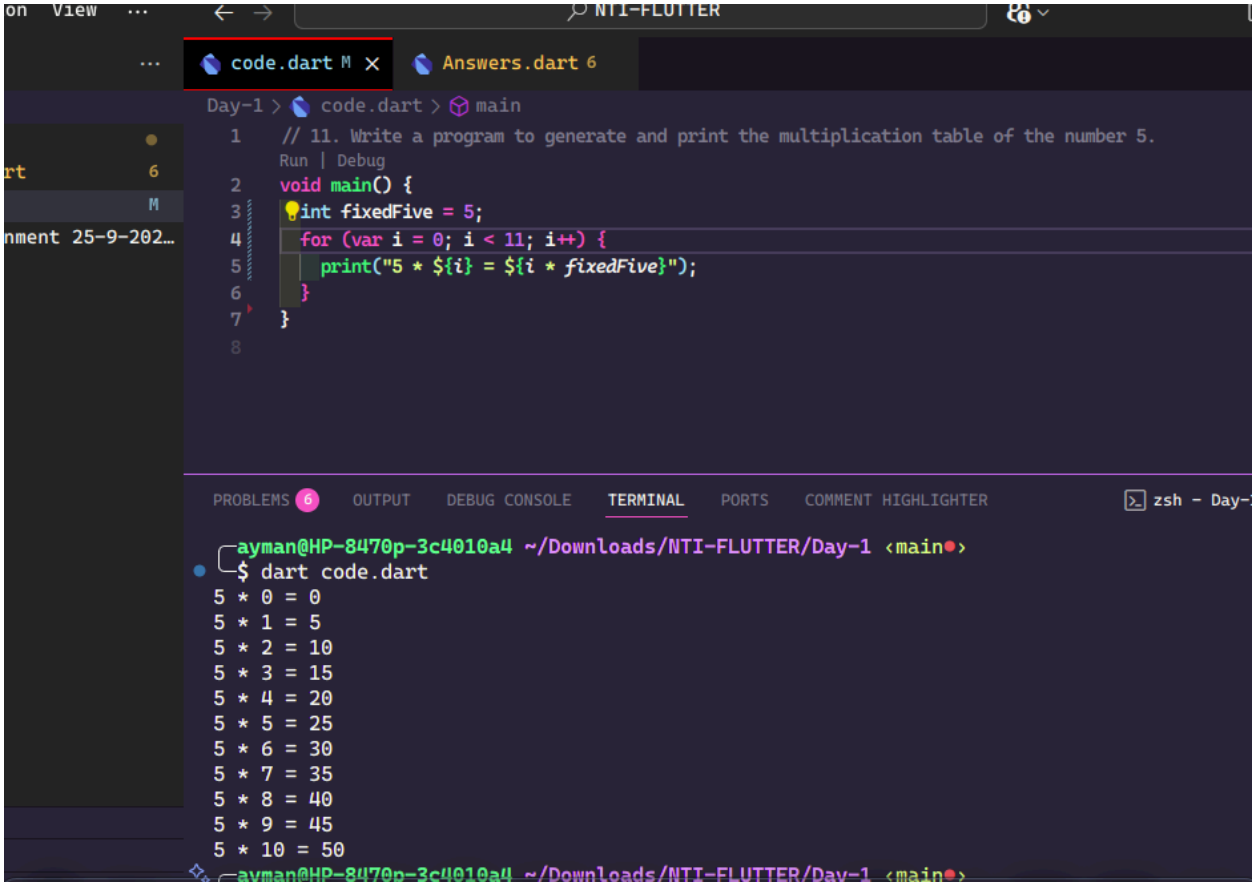
9. Write a function to calculate BMI using if conditions, then print the result when calling the function.



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.


NTI-FLUTTER
code.dart M
Answers.dart 6
Day-1 > code.dart > main
// 11. Write a program to generate and print the multiplication table of the number 5.
Run | Debug
void main() {
int fixedFive = 5;
for (var i = 0; i < 11; i++) {
print("5 * ${i} = ${i * fixedFive}");
}
}
PROBLEMS 6
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
COMMENT HIGHLIGHTER
zsh - Day-1
ayman@HP-8470p-3c4010a4 ~/Downloads/NTI-FLUTTER/Day-1 <main●>
$ dart code.dart
5 * 0 = 0
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
ayman@HP-8470p-3c4010a4 ~/Downloads/NTI-FLUTTER/Day-1 <main●>