1. How to duplicate repeating items inside a Dart list?

Problem

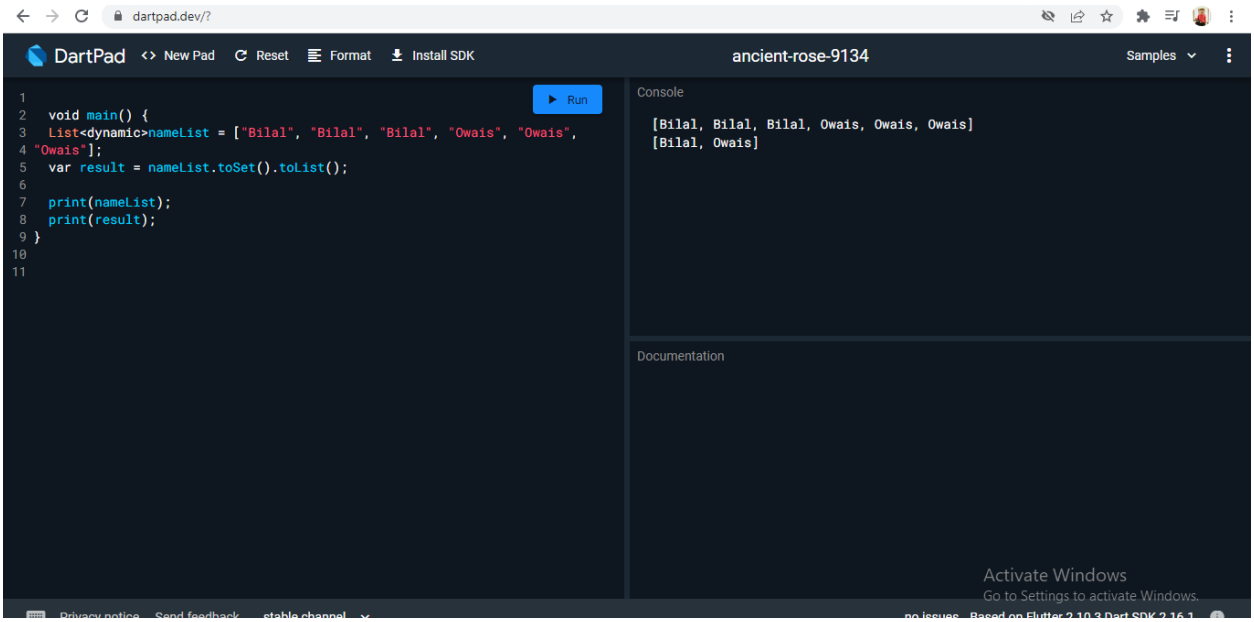
Consider the code:

final List<Dynamic> _nameList = [Bilal, Bilal, Bilal, Owais, Owais,

Owais]

What can to be done in order to not repeat Bilal and Owais multiple

times?

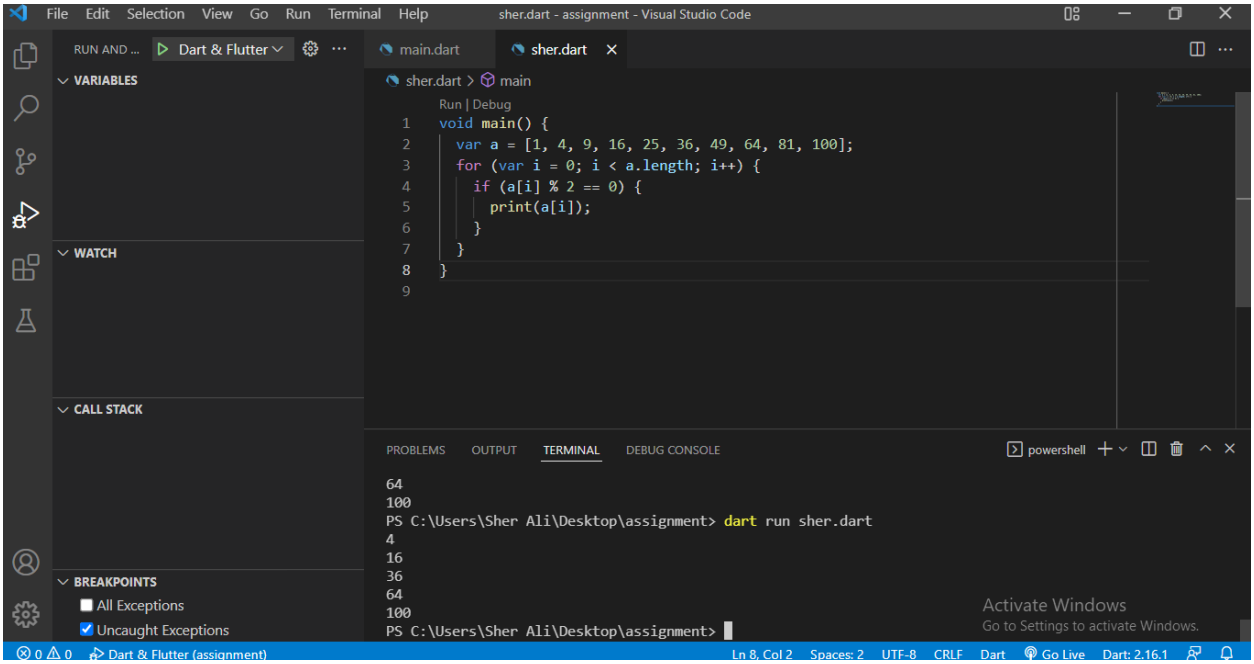


2. Let's say you are given a list saved in a variable:

Consider a = [1, 4, 9, 16, 25, 36, 49, 64, 81, 100].

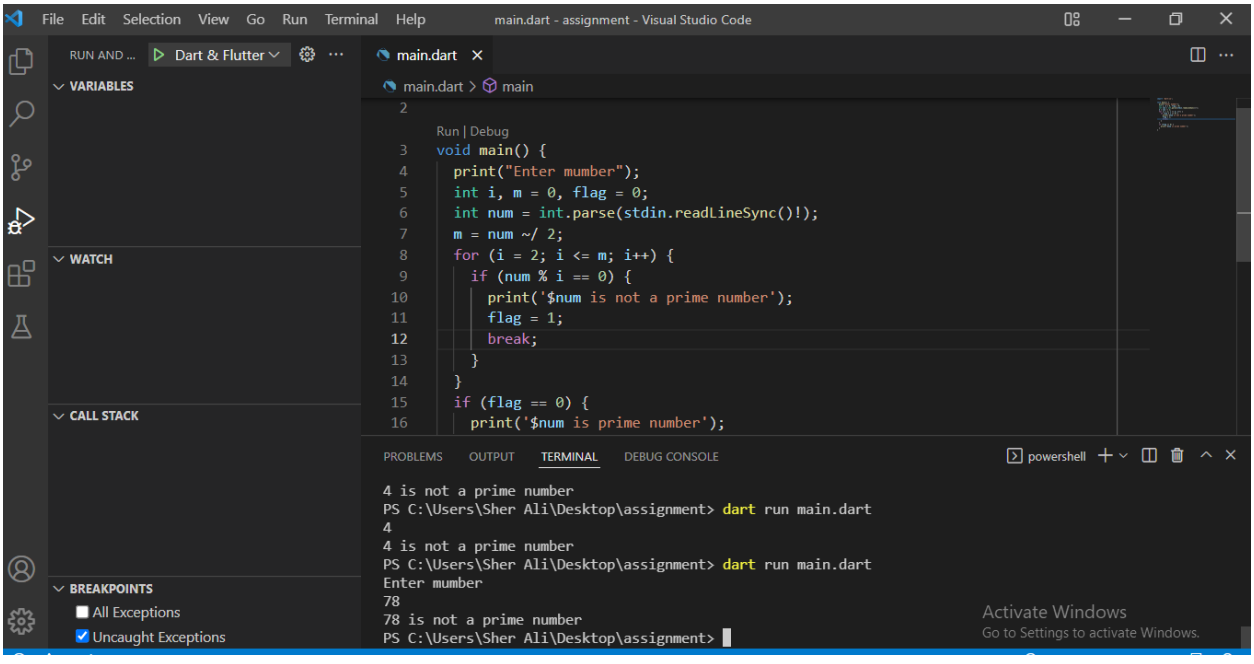
Write a code that takes this list and makes a new list that has only the

even elements of this list in it.



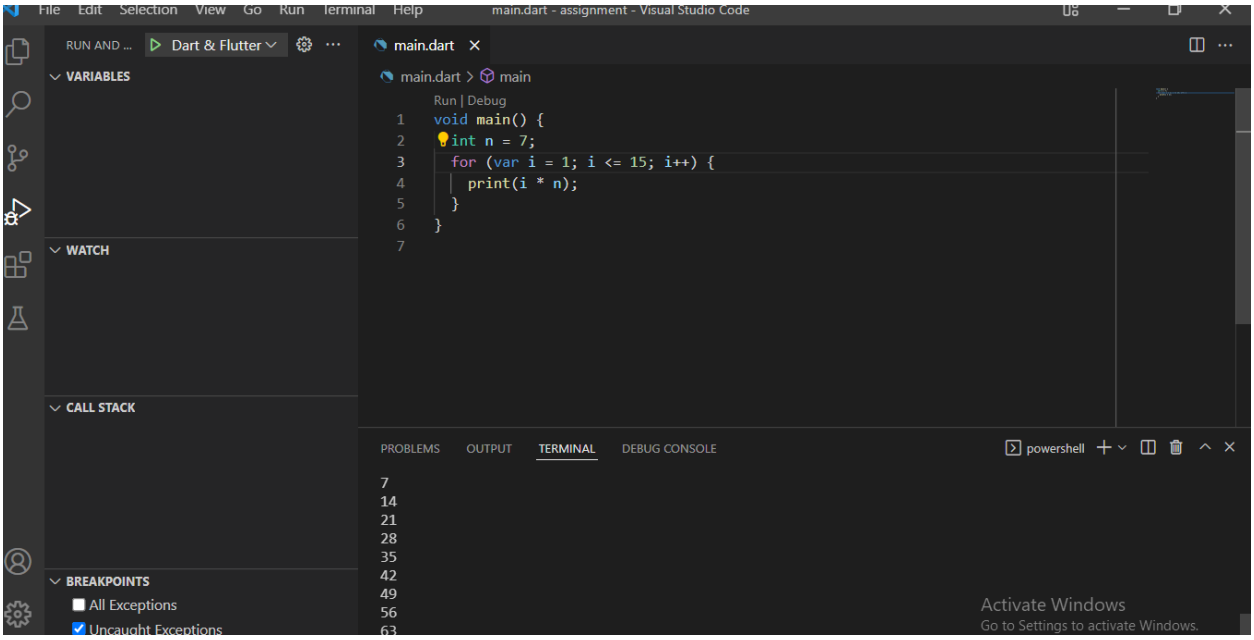
3. Ask the user for a number and determine whether the number is

prime or not.



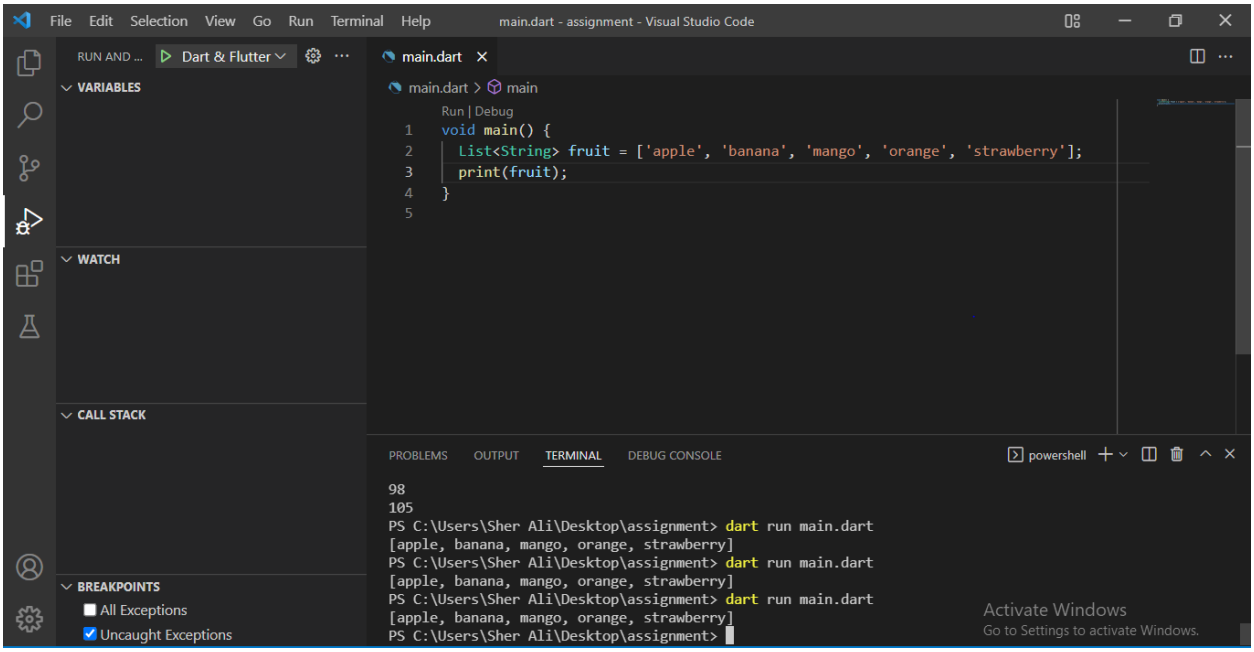
4. Write a program to print multiplication table of 7 length 15 using

loop.

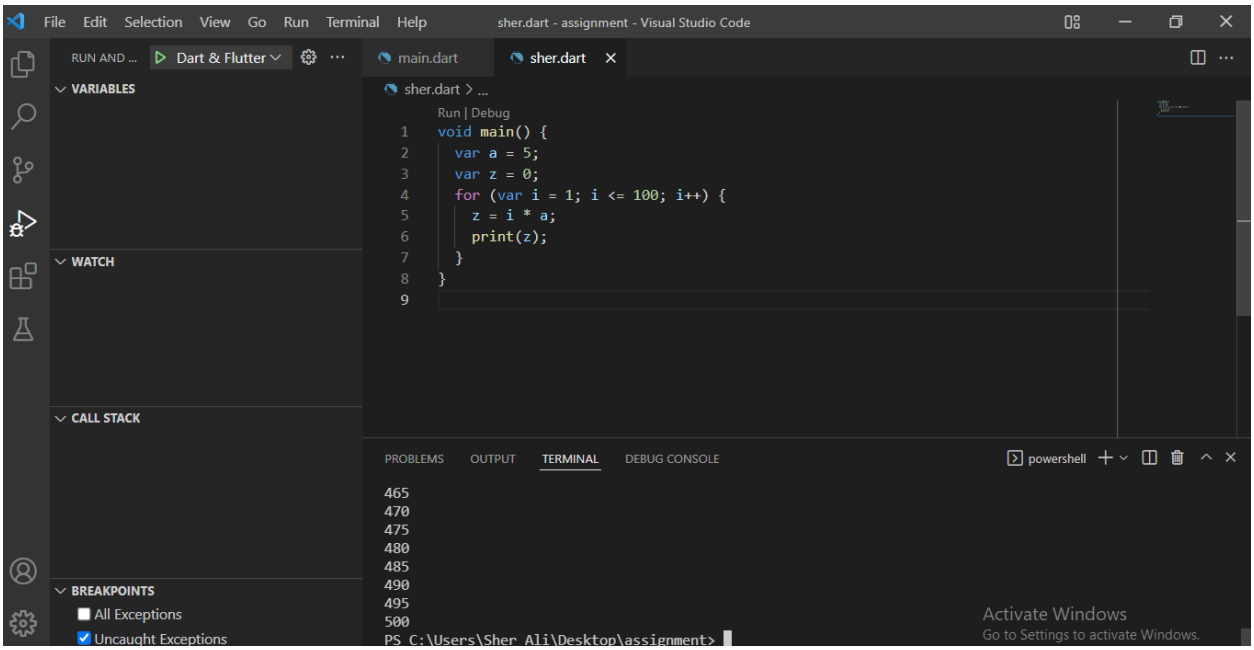


5. Write a program to print items of the following array using for loop:

fruits = [“apple”, “banana”, “mango”, “orange”, “strawberry”].



6. Write a program to print multiples of 5 ranging 1 to 100.



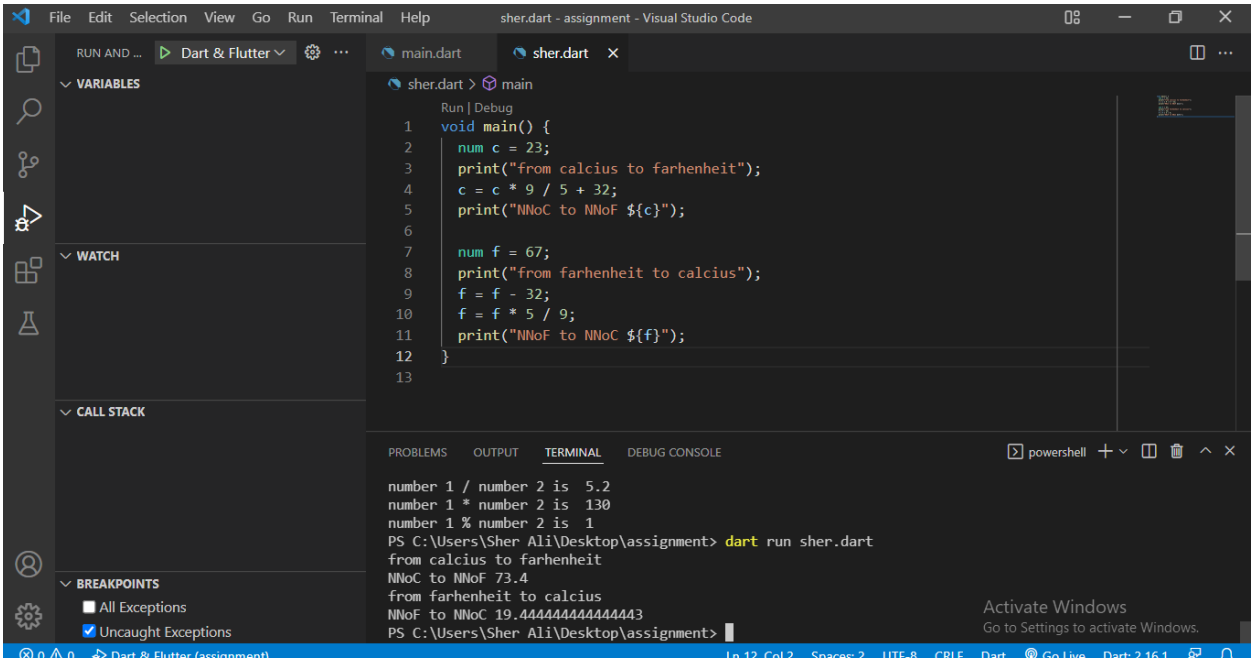
7. The Temperature Converter: It's hot out! Let's make a converter based on the steps here.

a. Store a Celsius temperature into a variable.

b. Convert it to Fahrenheit & output "NNoC is NNoF".

c. Now store a Fahrenheit temperature into a variable.

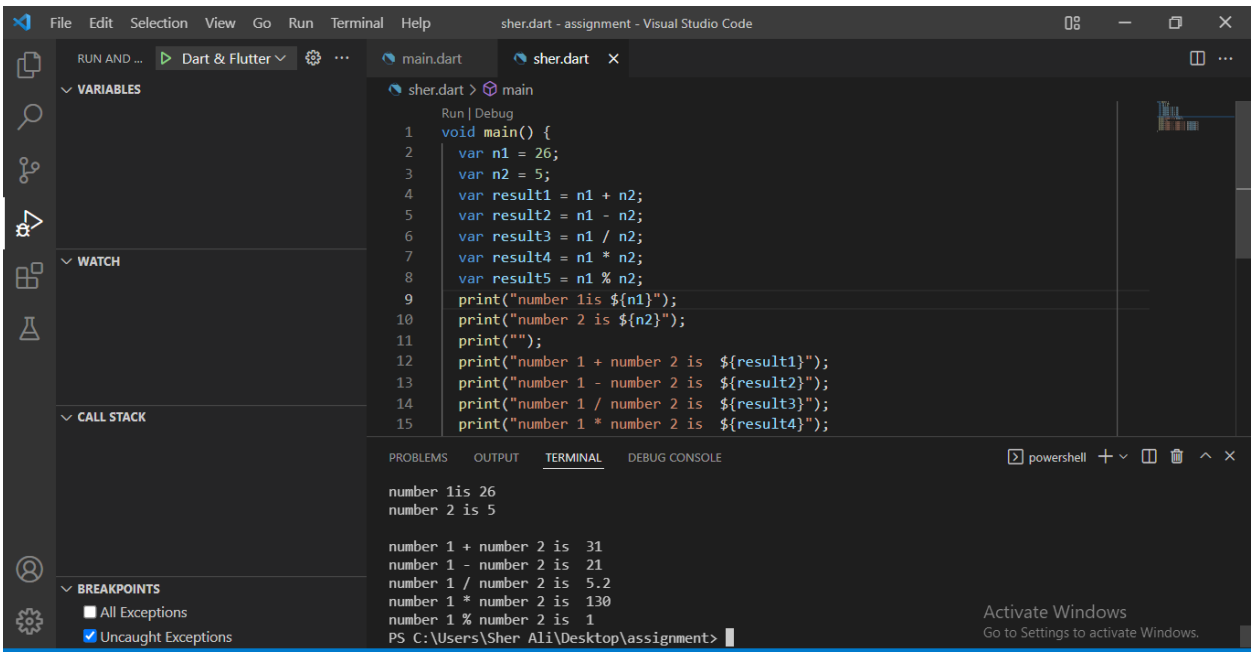
d. Convert it to Celsius & output "NNoF is NNoC".



8. Write a program to create a calculator for +, -, *, / & % using if statements. Take the following input:a. First number Second number

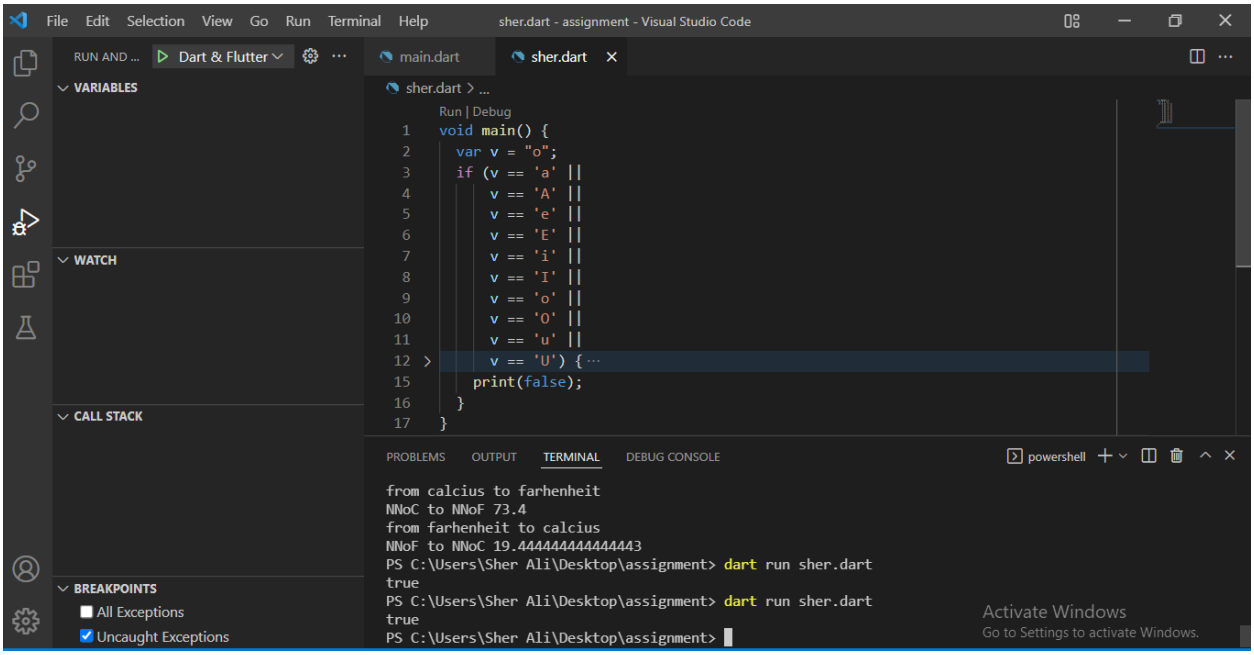
b. Operation (+, -, *, /, %)

Compute & show the calculated result to user.



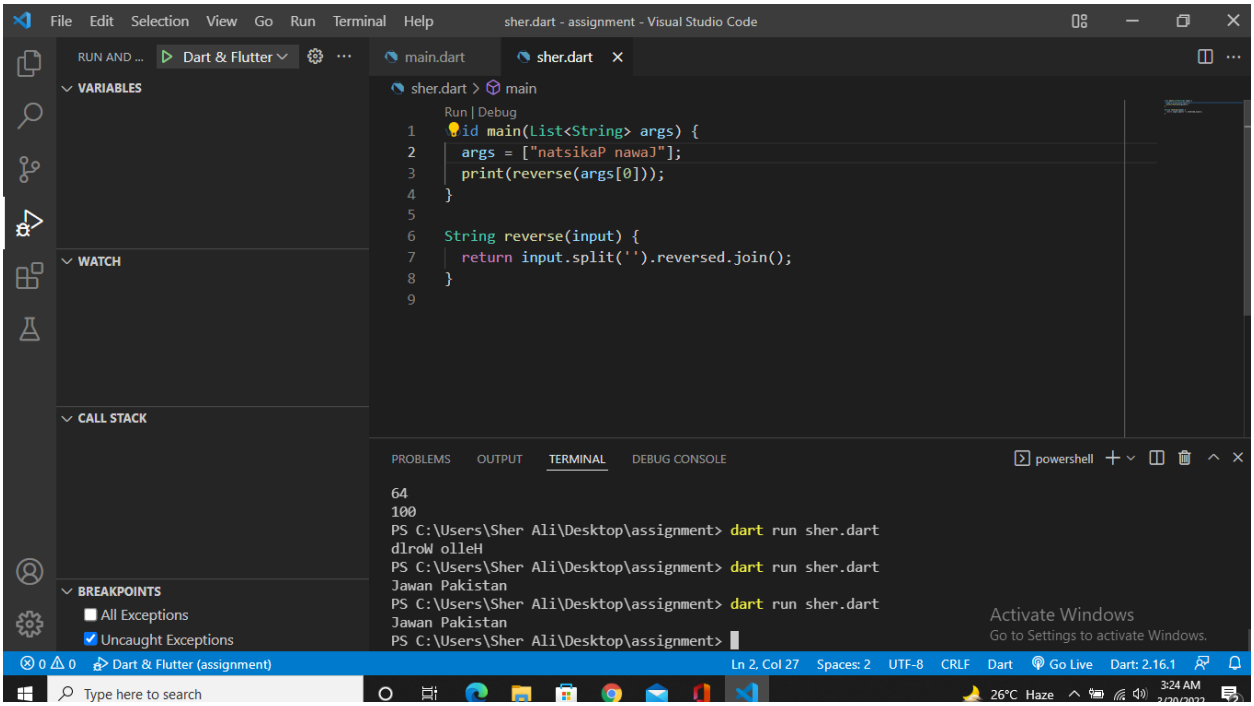
9. Write a program that takes a character (I. e. string of length 1) and

returns true if it is a vowel, false otherwise.



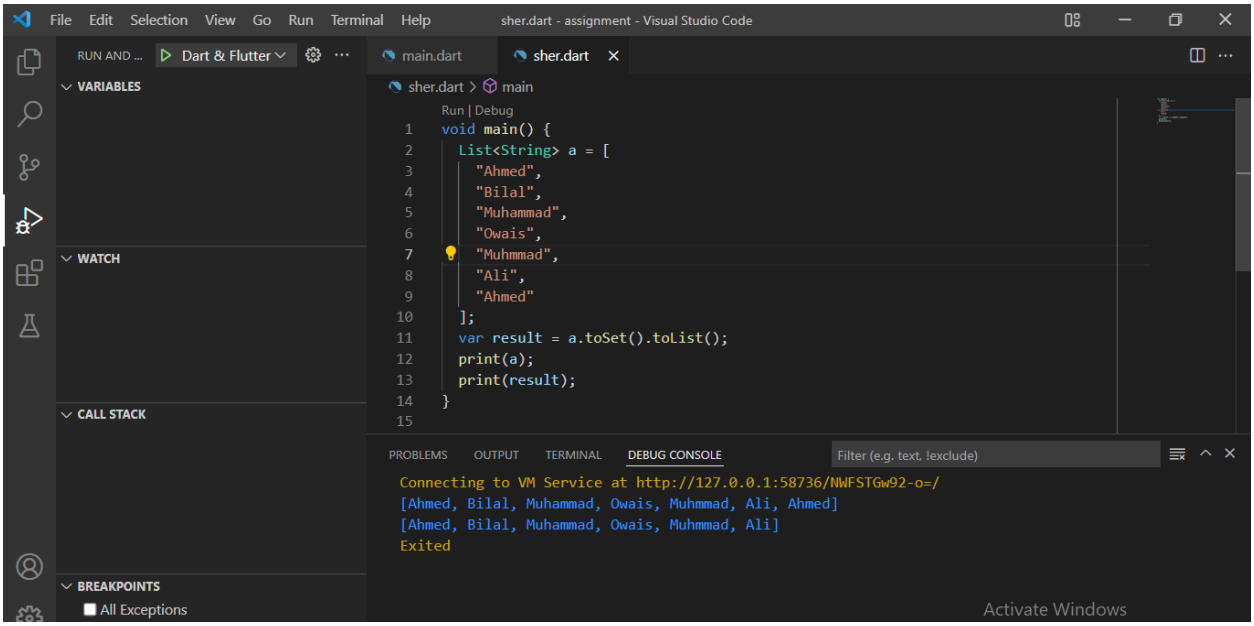
10. Write a program to reverse a string. For example, if my string is

"natsikaP nawaJ" then my result will be "Jawan Pakistan".



11. How are duplicates removed from a given array? [Ahmed, Bilal,

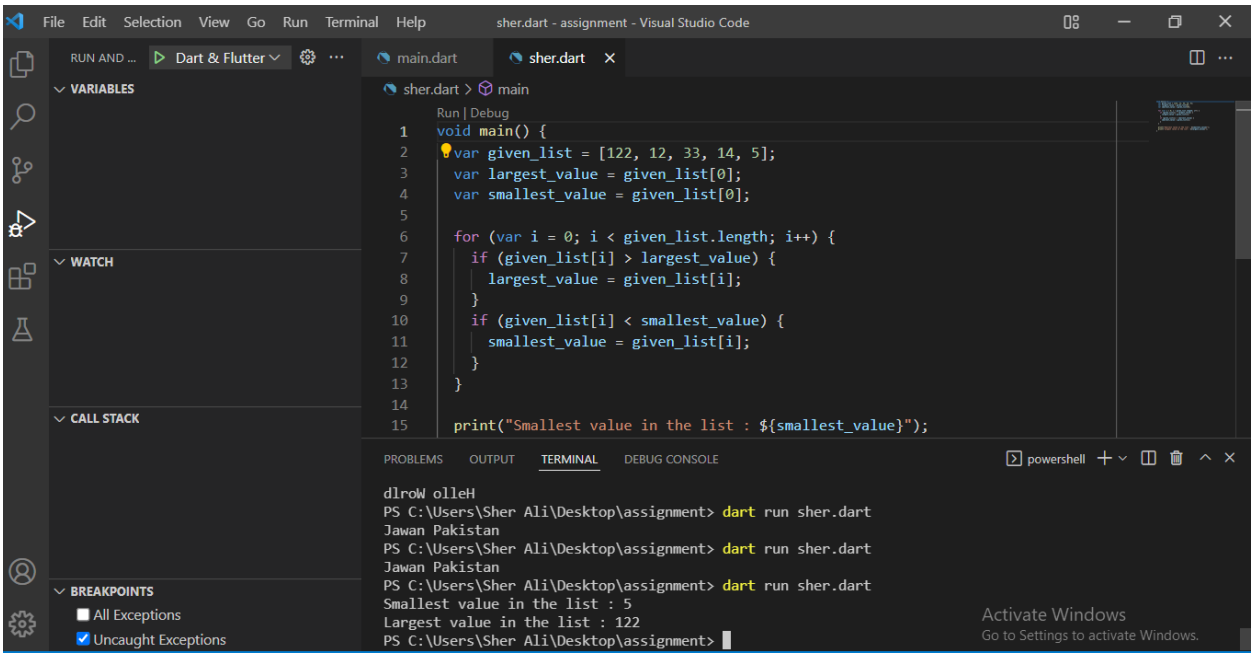
Muhammad, Owais, Muhmmad, Ali, Ahmed]



12. Find the missing number in array of 1 to 100?

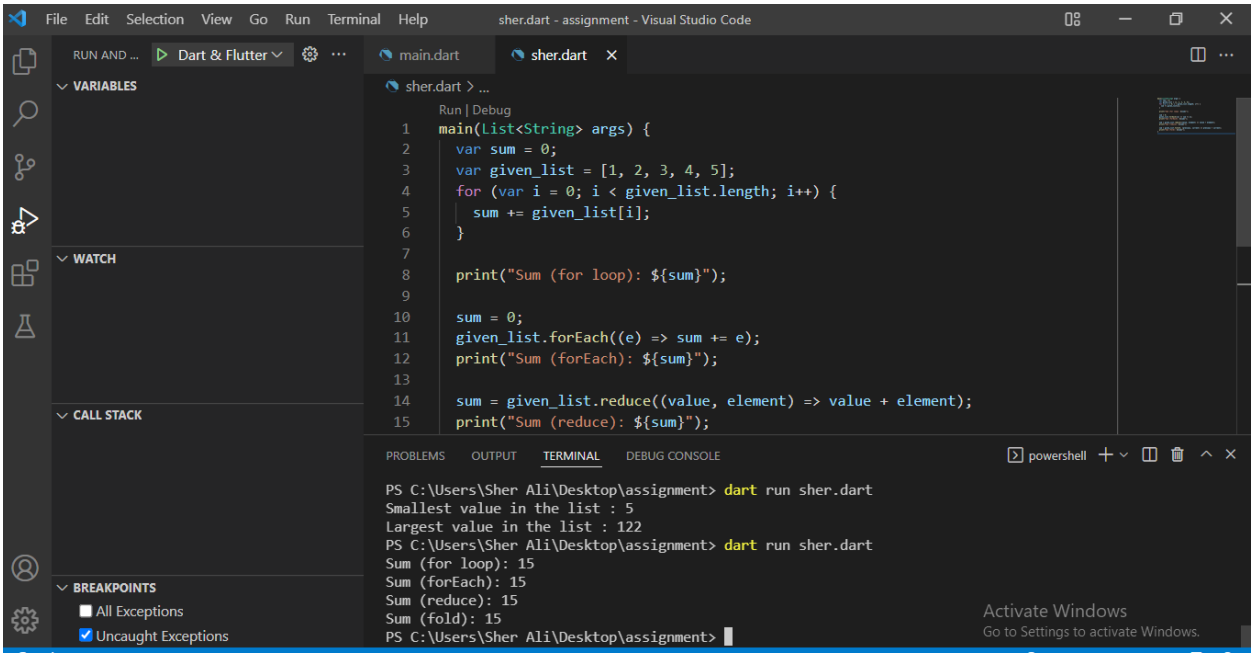
13. Find the largest and smallest number in an unsorted integer

array?



14. Find all pairs of an integer array whose sum is equal to a given

number?


File Edit Selection View Go Run Terminal Help
sher.dart - assignment - Visual Studio Code
RUN AND ...
Dart & Flutter
VARIABLES
WATCH
CALL STACK
BREAKPOINTS
All Exceptions
Uncaught Exceptions
main.dart
sher.dart
sher.dart > ...
Run | Debug
main(List<String> args) {
var sum = 0;
var given_list = [1, 2, 3, 4, 5];
for (var i = 0; i < given_list.length; i++) {
sum += given_list[i];
}
print("Sum (for loop): ${sum}");
sum = 0;
given_list.forEach((e) => sum += e);
print("Sum (forEach): ${sum}");
sum = given_list.reduce((value, element) => value + element);
print("Sum (reduce): ${sum}");
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
powershell
PS C:\Users\Sher Ali\Desktop\assignment> dart run sher.dart
Smallest value in the list : 5
Largest value in the list : 122
PS C:\Users\Sher Ali\Desktop\assignment> dart run sher.dart
Sum (for loop): 15
Sum (forEach): 15
Sum (reduce): 15
Sum (fold): 15
PS C:\Users\Sher Ali\Desktop\assignment>
Activate Windows
Go to Settings to activate Windows.