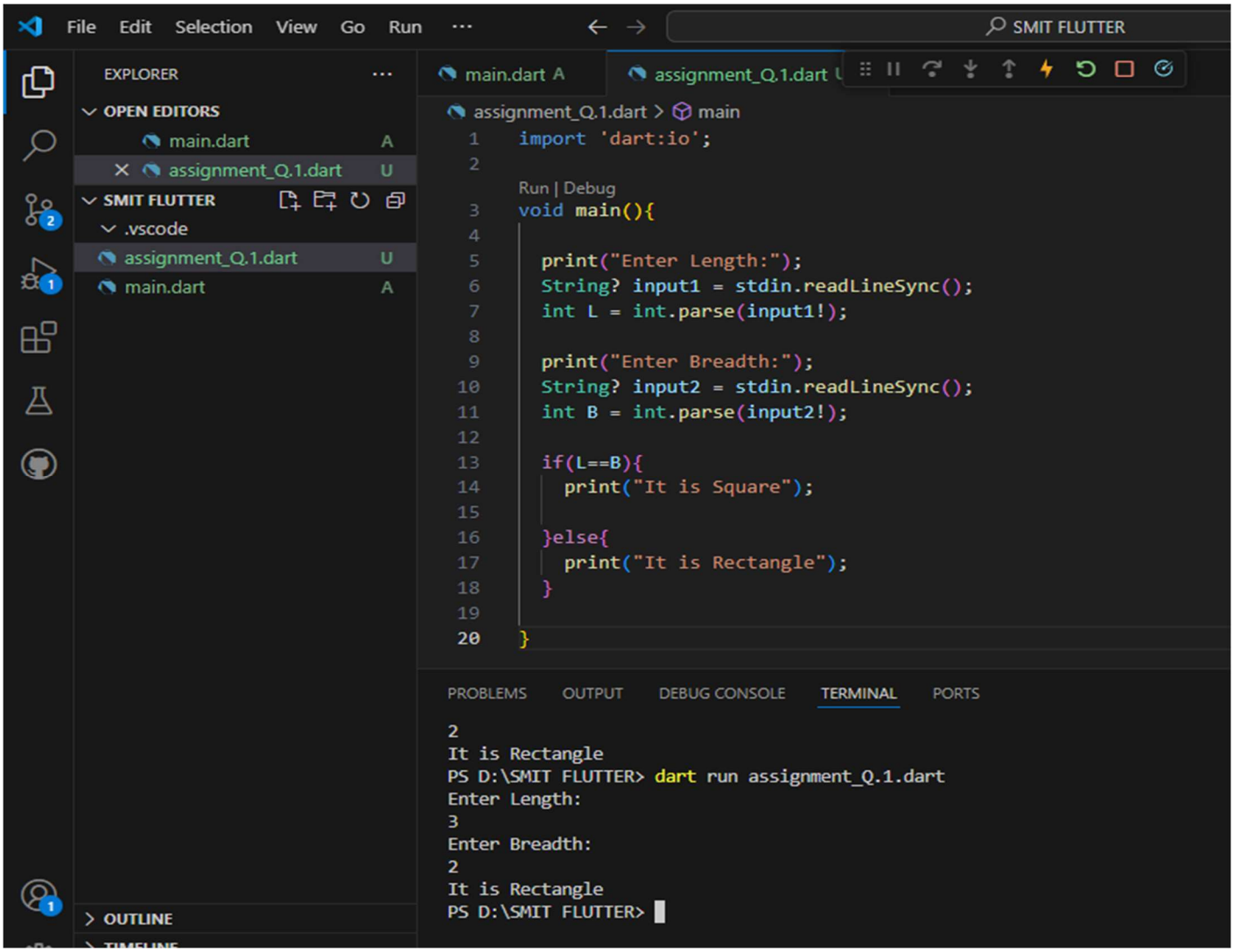
ASSIGNMENT 01

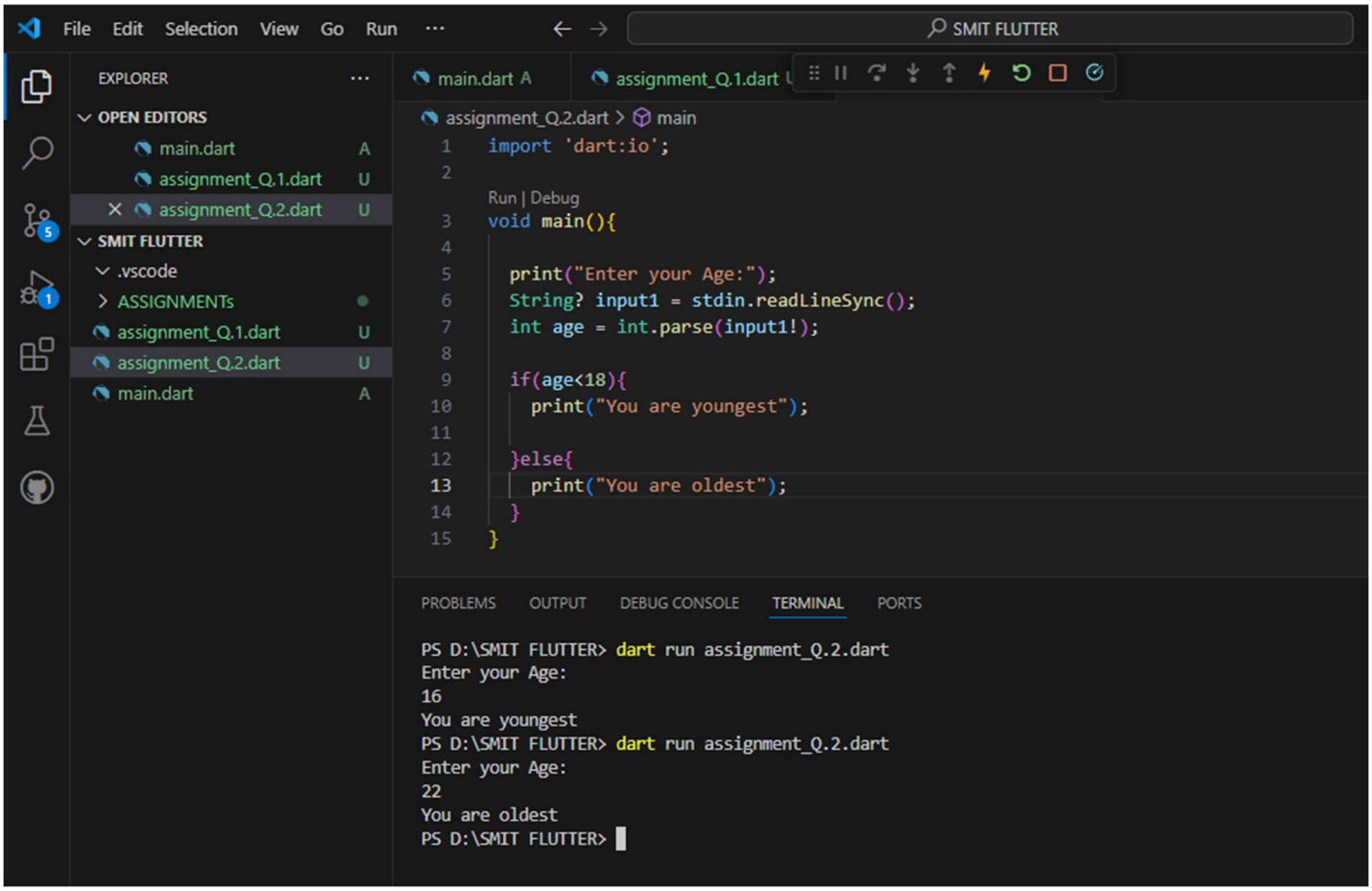
NAME	**:**	**MUHAMMAD ANAS RAZA**
ROLL NO	**:**	**341497**
COURSE	**:**	**FLUTTER**
SUBMITTED TO	**:**	**BILAL REHMAN**

*** Submit your assignment in a pdf mentioning questions & screenshots ***

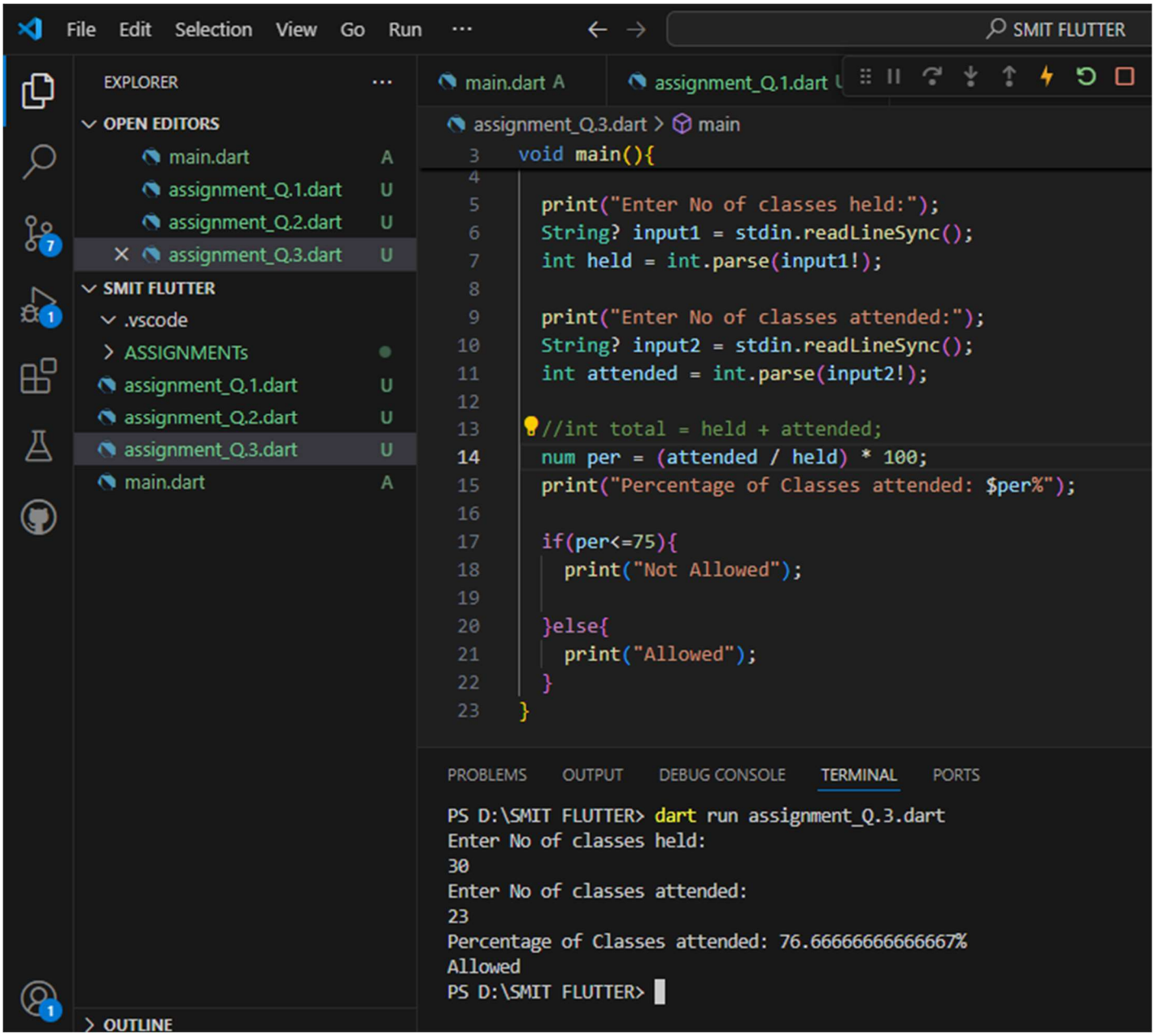
Q.1: Create two integer variables length and breadth and assign values then check if they are square values or rectangle values.
ie: if both values are equal then it's square otherwise rectangle.



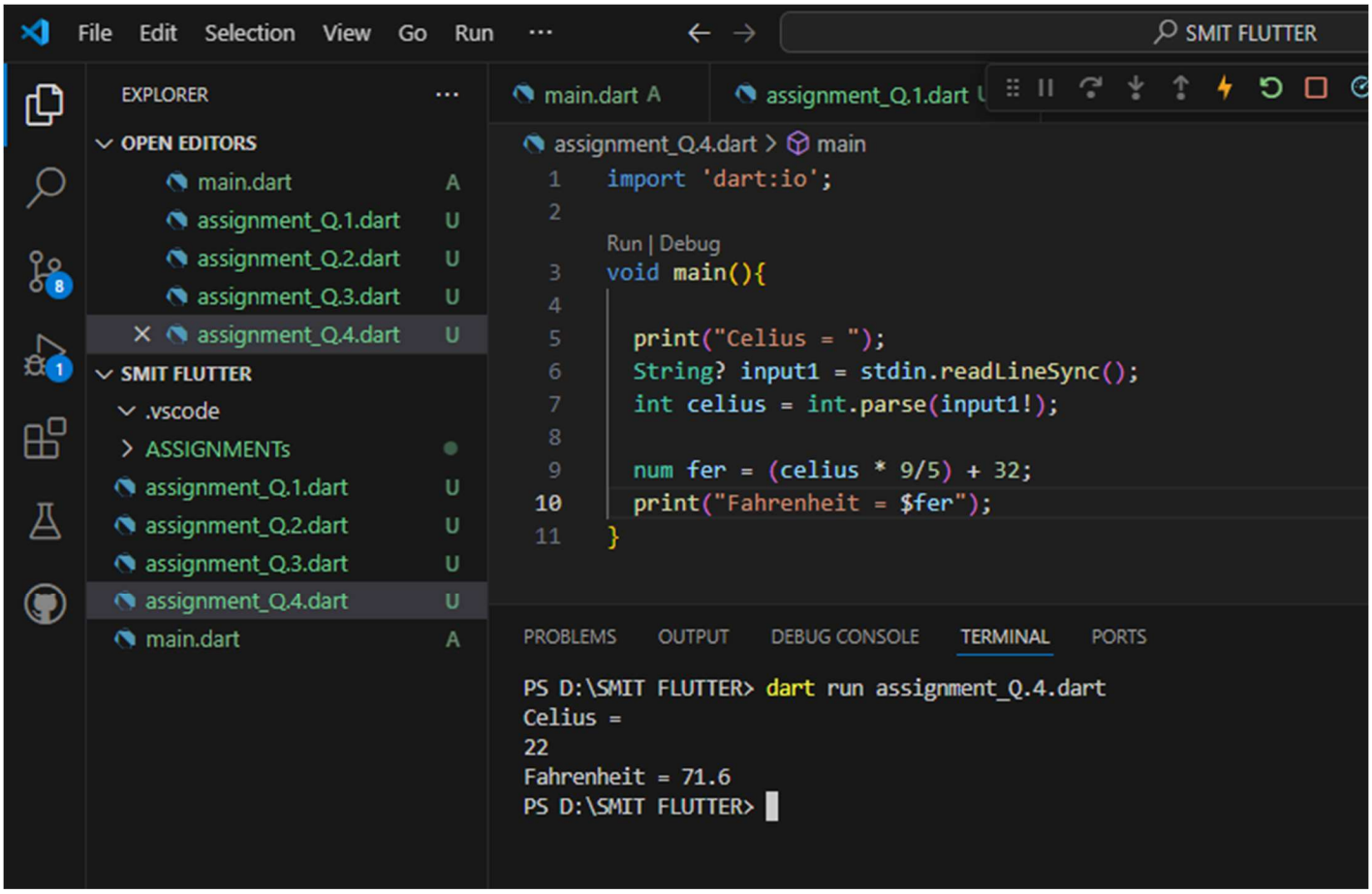
Q.2: Take two variables and store age then using if/else condition to determine oldest and youngest among them.



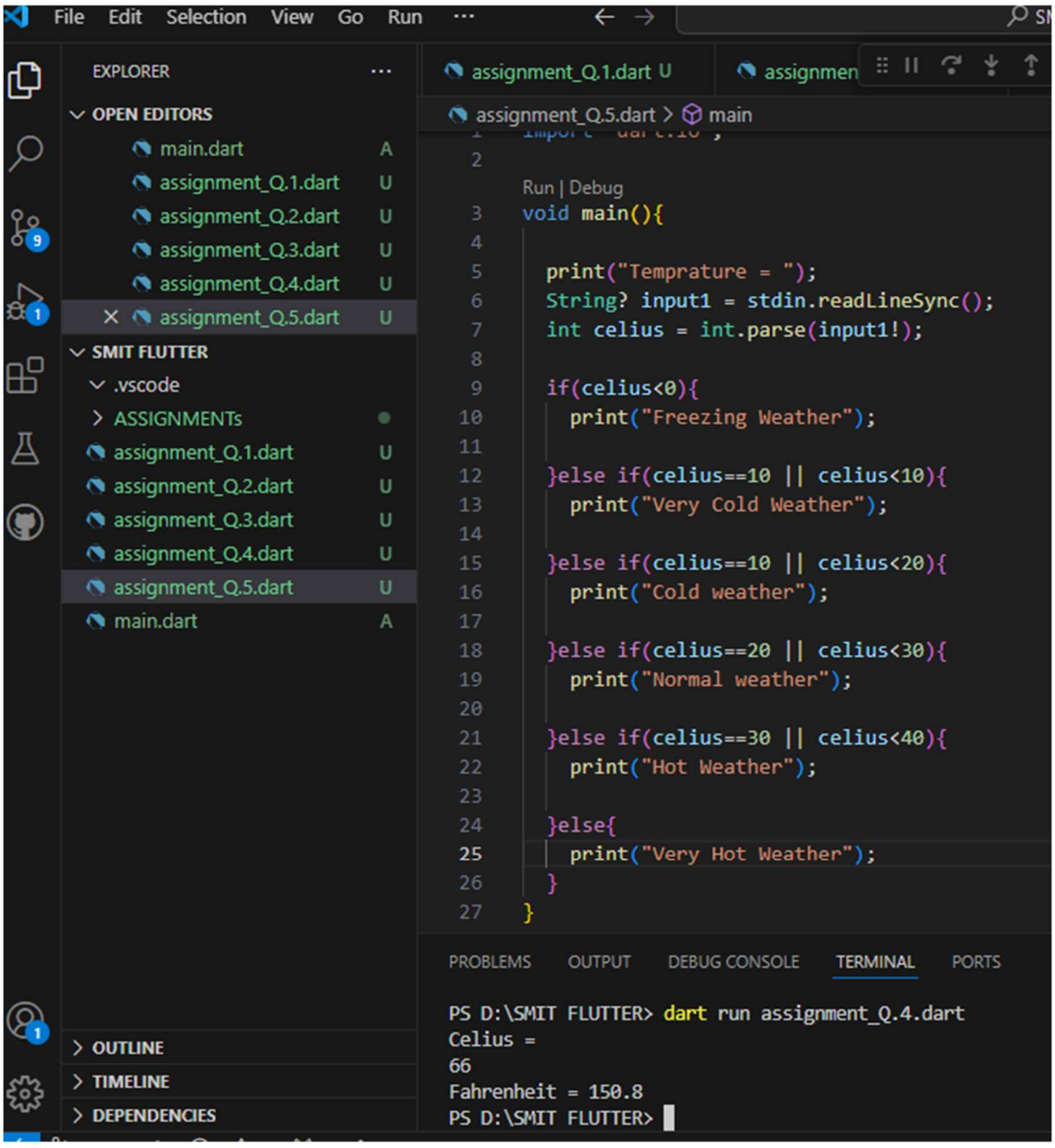
Q.3: A student will not be allowed to sit in exam if his/her attendance is less than 75%. Create integer variables and assign value:
Number of classes held = 16,
Number of classes attended = 10,
and print percentage of class attended.
Is student is allowed to sit in exam or not?



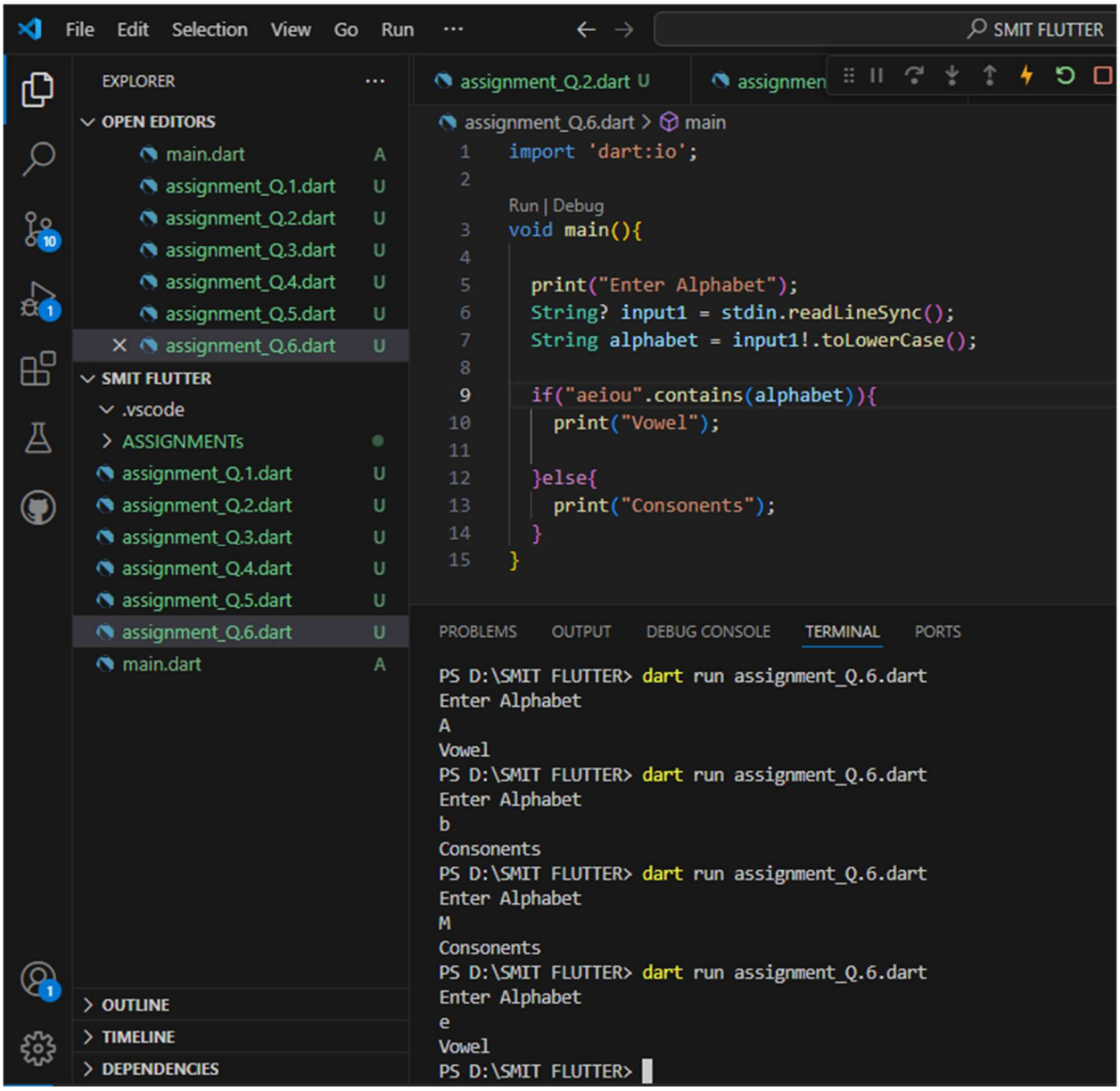
Q4: Write a program to convert Celsius to Fahrenheit .
i.e: Temperature in degrees Fahrenheit (°F) = (Temperature in degrees Celsius (°C) * 9/5) + 32



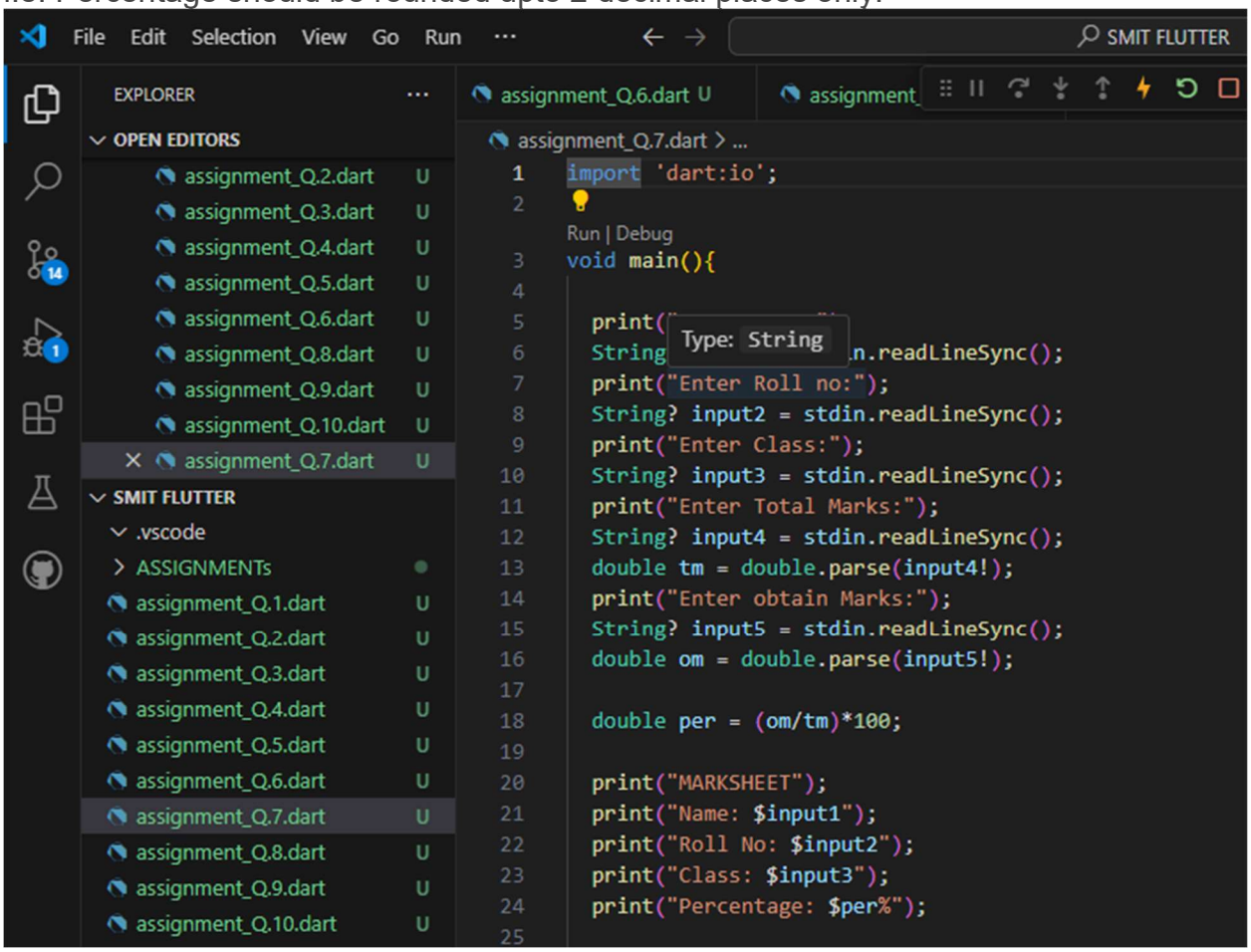
Q.5 Write a program to read temperature in centigrade and display a suitable message according to temperature:
You have num variable temperature = 42;
Now print the message according to temperature:
temp < 0 then Freezing weather
temp 0-10 then Very Cold weather
temp 10-20 then Cold weather
temp 20-30 then Normal in Temp
temp 30-40 then Its Hot
temp >=40 then Its Very Hot

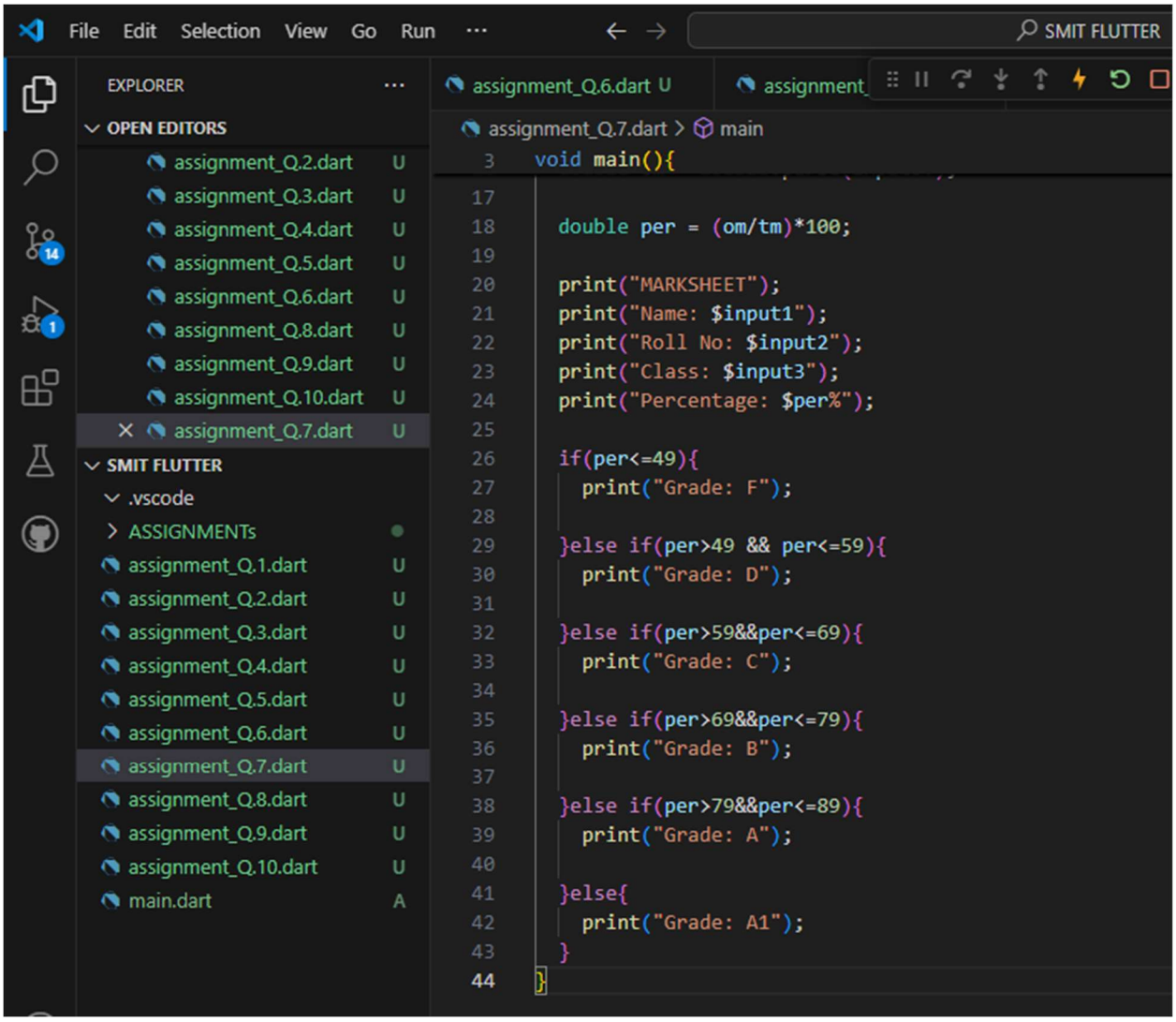


Q.6: Write a program to check whether an alphabet is a vowel or consonant.



Q7: Create a marksheet using operators of at least 5 subjects and output should have Student Name, Student Roll Number, Class, Percentage, Grade Obtained etc. i.e: Percentage should be rounded upto 2 decimal places only.

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SMIT FLUTTER
EXPLORER
OPEN EDITORS
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assignment_Q.4.dart U
assignment_Q.5.dart U
assignment_Q.6.dart U
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assignment_Q.9.dart U
assignment_Q.10.dart U
assignment_Q.7.dart U
SMIT FLUTTER
.vscode
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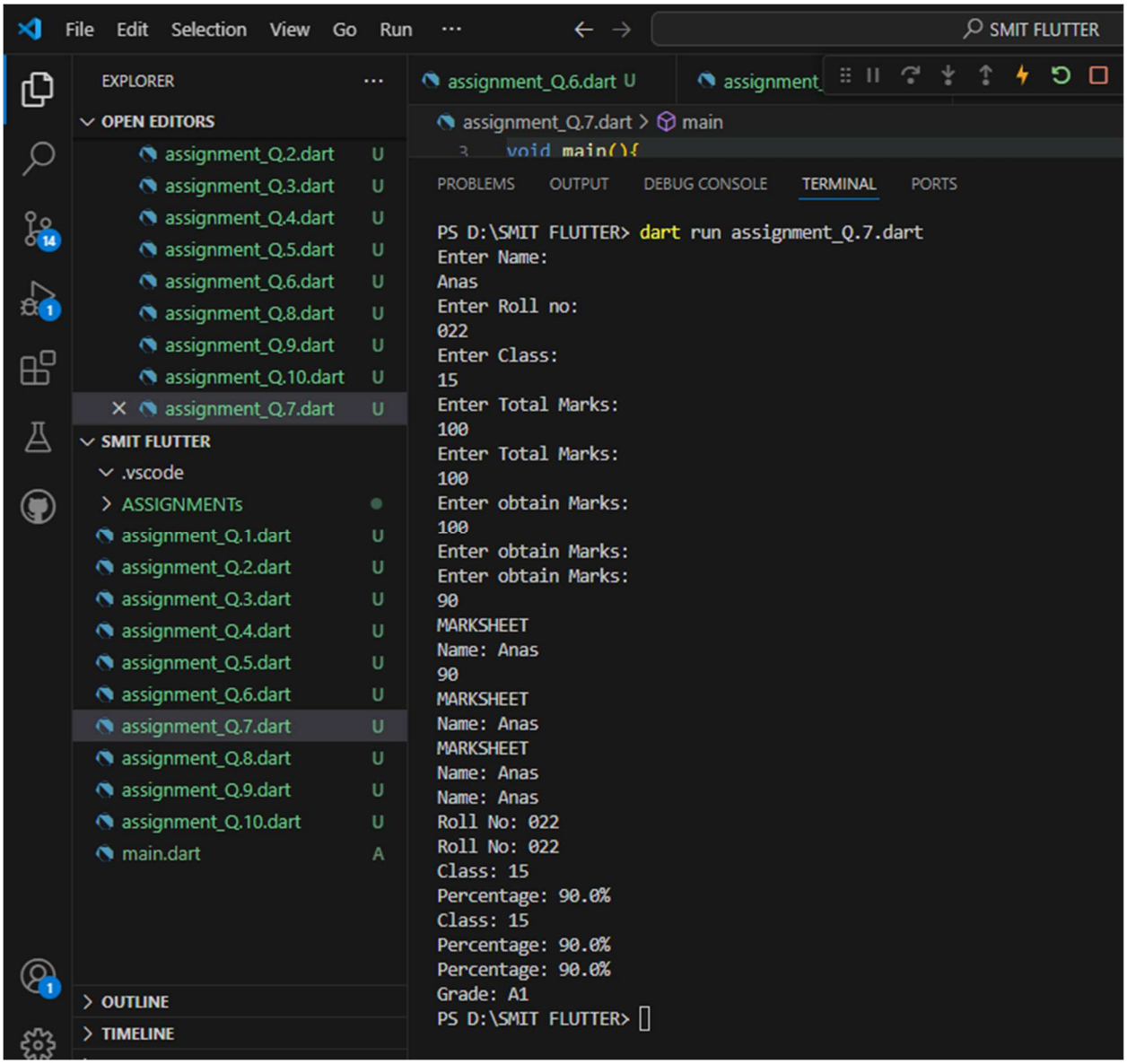
assignment_Q.6.dart U
assignment_Q.7.dart U
assignment_Q.8.dart U
assignment_Q.9.dart U
assignment_Q.10.dart U
main.dart A
assignment_Q.6.dart U
assignment_Q.7.dart > main
3 void main(){
17
18 double per = (om/tm)*100;
19
20 print("MARKSHEET");
21 print("Name: $input1");
22 print("Roll No: $input2");
23 print("Class: $input3");
24 print("Percentage: $per%");
25
26 if(per<=49){
27 print("Grade: F");
28
29 }else if(per>49 && per<=59){
30 print("Grade: D");
31
32 }else if(per>59&&per<=69){
33 print("Grade: C");
34
35 }else if(per>69&&per<=79){
36 print("Grade: B");
37
38 }else if(per>79&&per<=89){
39 print("Grade: A");
40
41 }else{
42 print("Grade: A1");
43 }
44 }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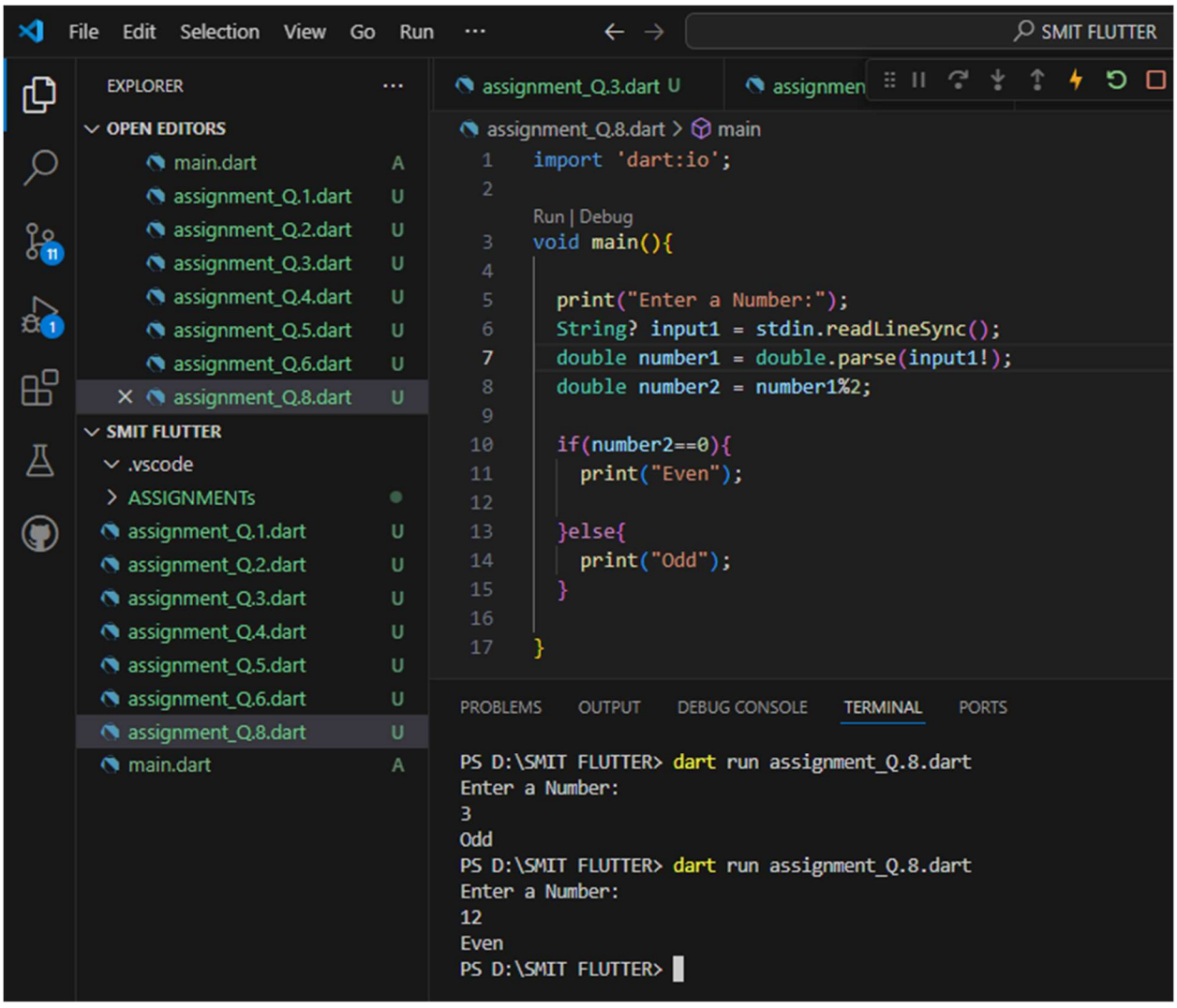
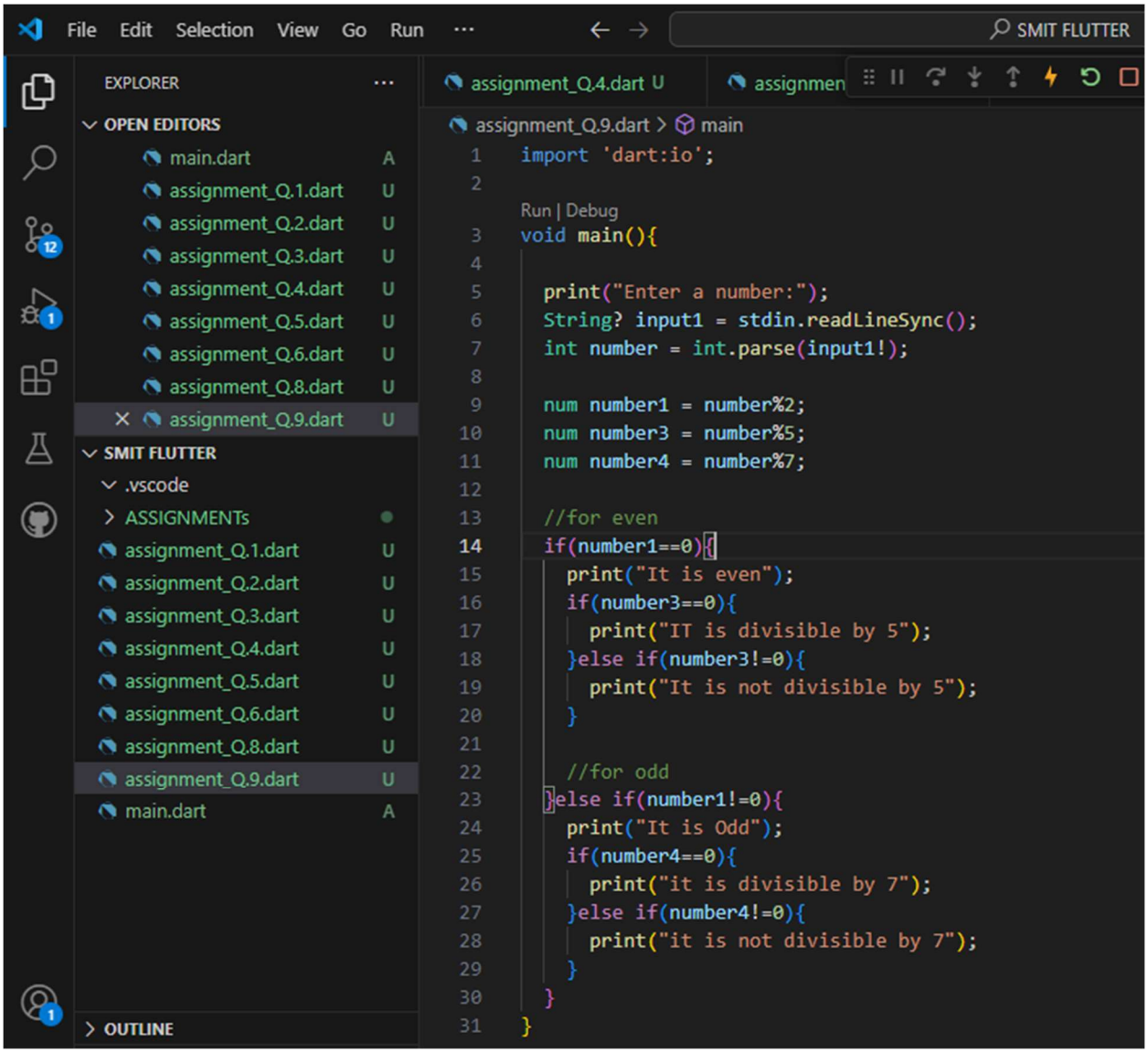
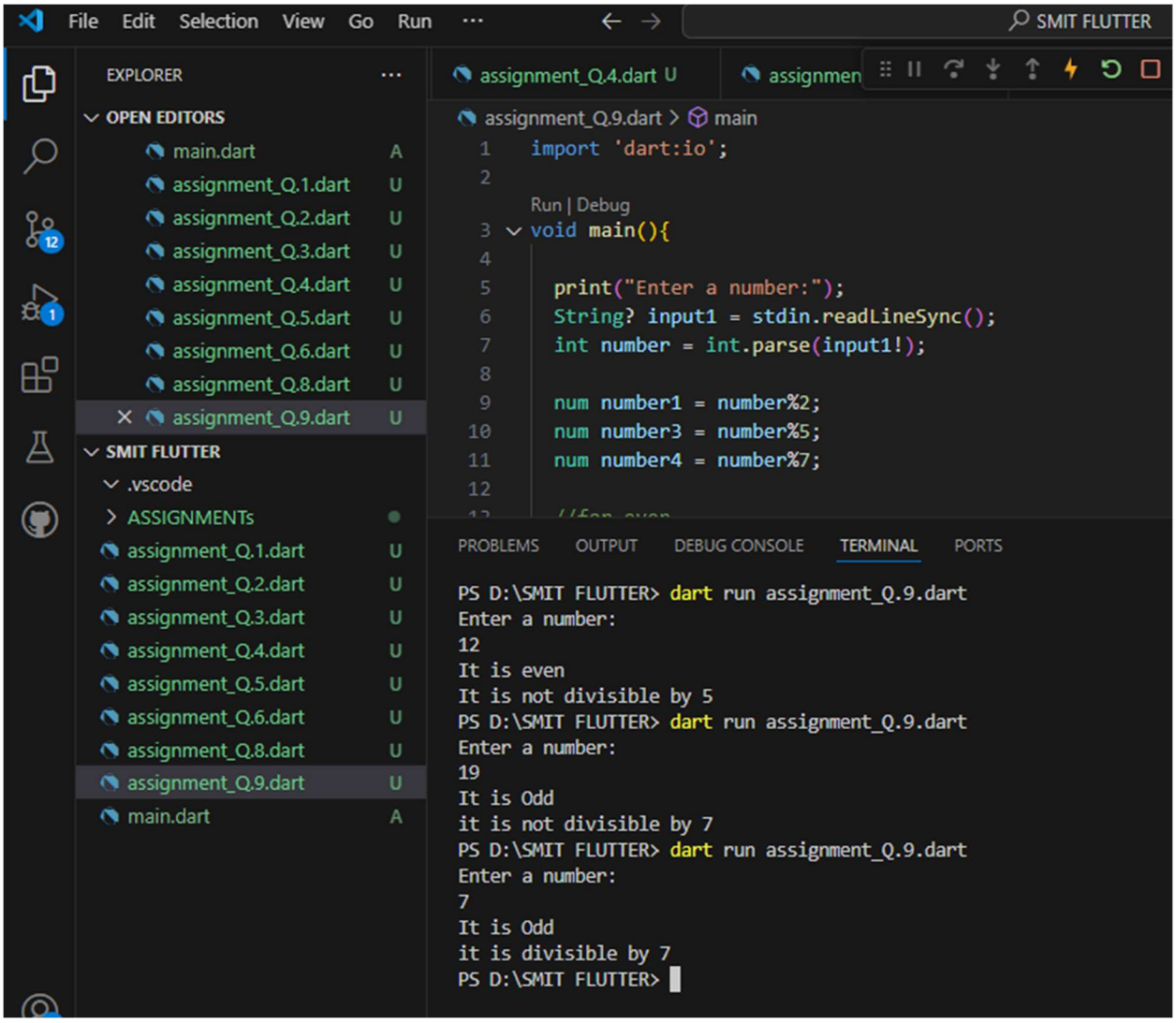
assignment_Q.6.dart U
assignment_Q.7.dart U
assignment_Q.8.dart U
assignment_Q.9.dart U
assignment_Q.10.dart U
main.dart A
OUTLINE
TIMELINE
assignment_Q.6.dart U
assignment_Q.7.dart > main
void main(){
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\SMIT FLUTTER> dart run assignment_Q.7.dart
Enter Name:
Anas
Enter Roll no:
022
Enter Class:
15
Enter Total Marks:
100
Enter Total Marks:
100
Enter obtain Marks:
100
Enter obtain Marks:
Enter obtain Marks:
90
MARKSHEET
Name: Anas
90
MARKSHEET
Name: Anas
MARKSHEET
Name: Anas
Name: Anas
Roll No: 022
Roll No: 022
Class: 15
Percentage: 90.0%
Class: 15
Percentage: 90.0%
Percentage: 90.0%
Grade: A1
PS D:\SMIT FLUTTER>

Q8: Check if the number is even or odd?
i.e : Even numbers are completely divisible by 2. (2,4,6,8,10,….)



Q9: Check if a number is even then check if its divisible by 5 or not & if a number is odd then check if its divisible by 7 or not.

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assignment_Q.9.dart U
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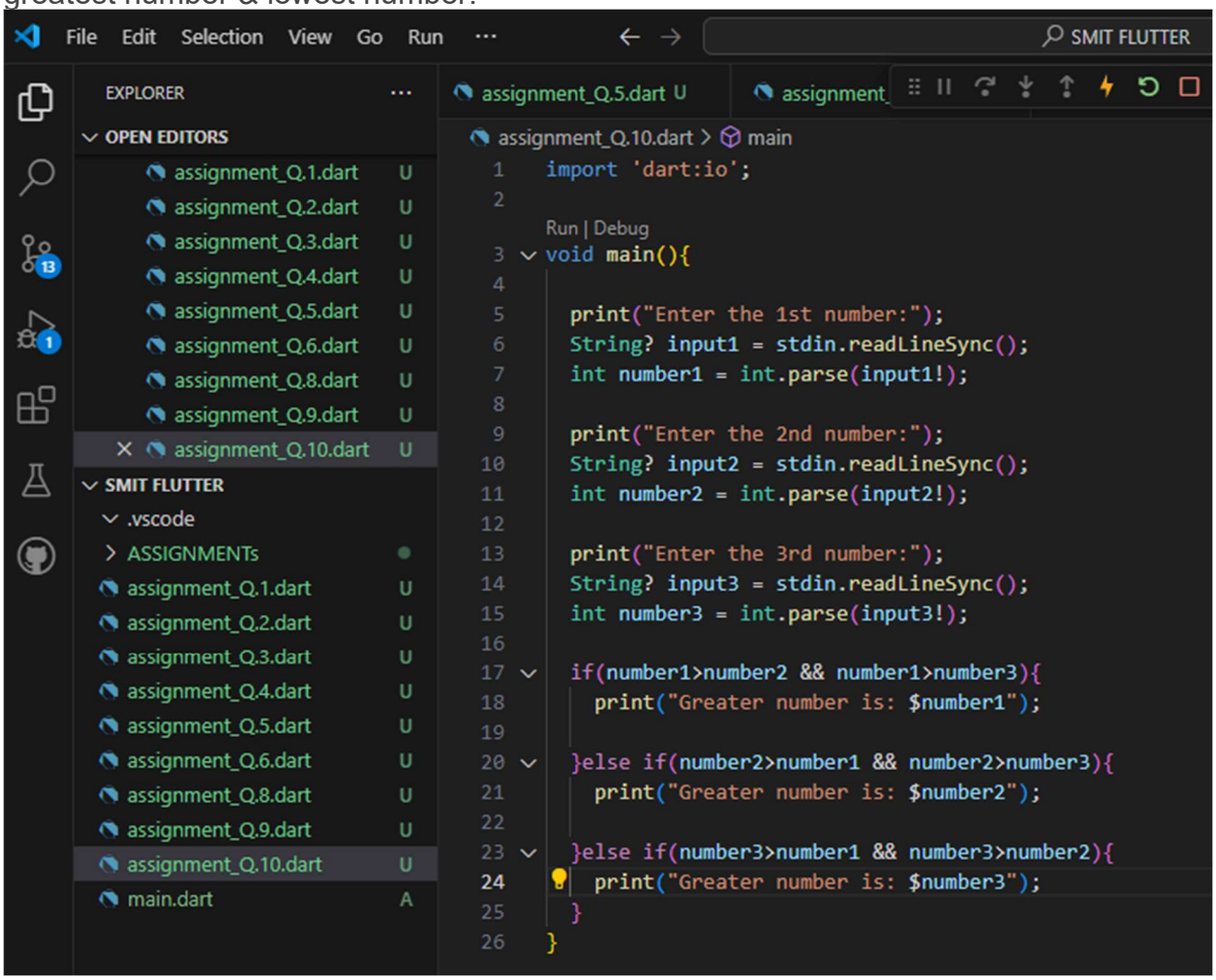
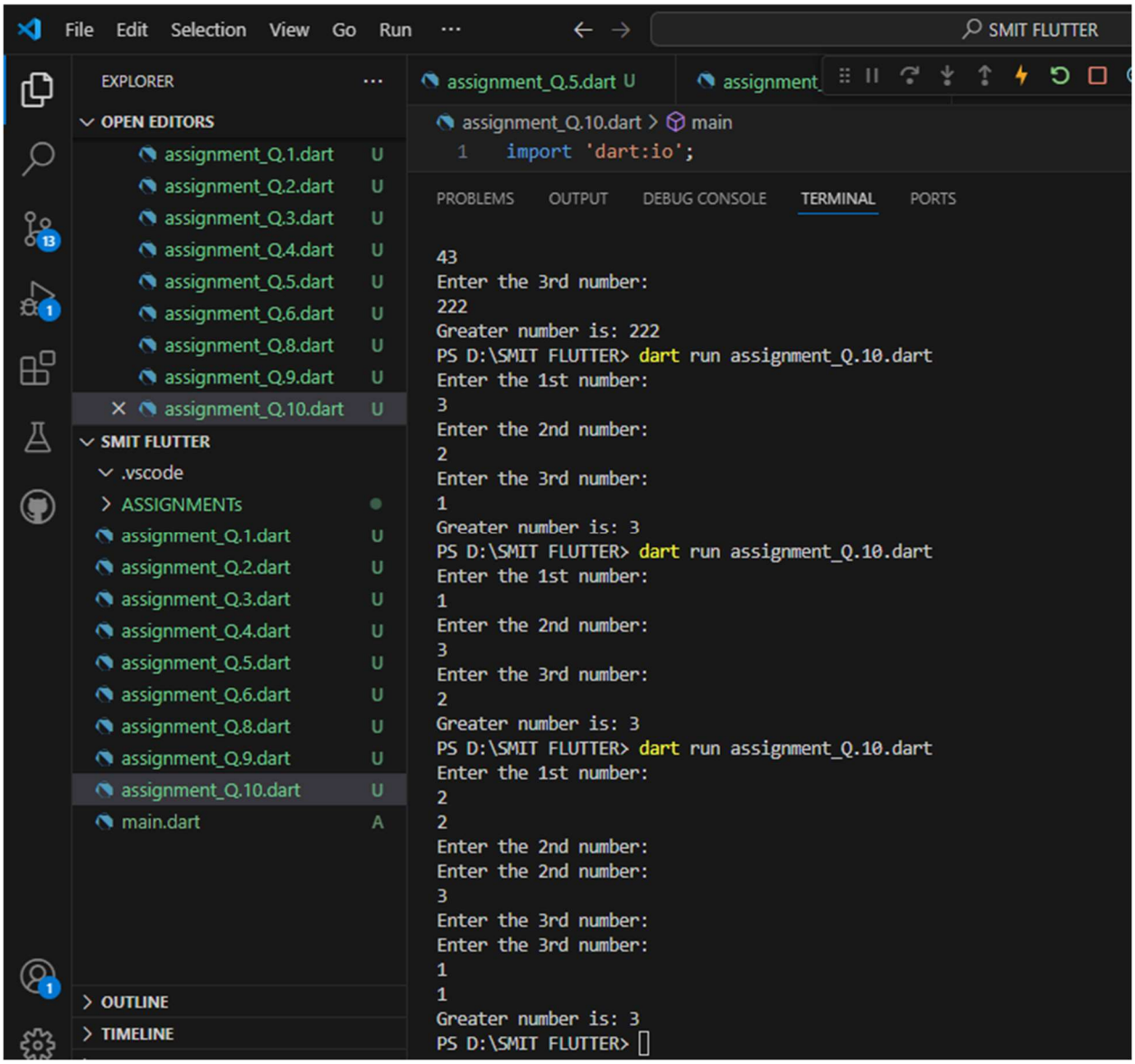
assignment_Q.3.dart U
assignment_Q.4.dart U
assignment_Q.5.dart U
assignment_Q.6.dart U
assignment_Q.8.dart U
assignment_Q.9.dart U
main.dart A
assignment_Q.4.dart U
assignmen
assignment_Q.9.dart > main
1 import 'dart:io';
2
Run | Debug
3 void main(){
4
5 print("Enter a number:");
6 String? input1 = stdin.readLineSync();
7 int number = int.parse(input1!);
8
9 num number1 = number%2;
10 num number3 = number%5;
11 num number4 = number%7;
12
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\SMIT FLUTTER> dart run assignment_Q.9.dart
Enter a number:
12
It is even
It is not divisible by 5
PS D:\SMIT FLUTTER> dart run assignment_Q.9.dart
Enter a number:
19
It is Odd
it is not divisible by 7
PS D:\SMIT FLUTTER> dart run assignment_Q.9.dart
Enter a number:
7
It is Odd
it is divisible by 7
PS D:\SMIT FLUTTER>

Q10: Write a program that takes three numbers from the user and prints the greatest number & lowest number.

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assignment_Q.8.dart U
assignment_Q.9.dart U
assignment_Q.10.dart U
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assignment_Q.2.dart U
assignment_Q.3.dart U
assignment_Q.4.dart U
assignment_Q.5.dart U
assignment_Q.6.dart U
assignment_Q.8.dart U
assignment_Q.9.dart U
assignment_Q.10.dart U
main.dart A
OUTLINE
TIMELINE
assignment_Q.5.dart U
assignment_Q.10.dart > main
1 import 'dart:io';
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
43
Enter the 3rd number:
222
Greater number is: 222
PS D:\SMIT FLUTTER> dart run assignment_Q.10.dart
Enter the 1st number:
3
Enter the 2nd number:
2
Enter the 3rd number:
1
Greater number is: 3
PS D:\SMIT FLUTTER> dart run assignment_Q.10.dart
Enter the 1st number:
1
Enter the 2nd number:
3
Enter the 3rd number:
2
Greater number is: 3
PS D:\SMIT FLUTTER> dart run assignment_Q.10.dart
Enter the 1st number:
2
2
Enter the 2nd number:
Enter the 2nd number:
3
Enter the 3rd number:
Enter the 3rd number:
1
1
Greater number is: 3
PS D:\SMIT FLUTTER>