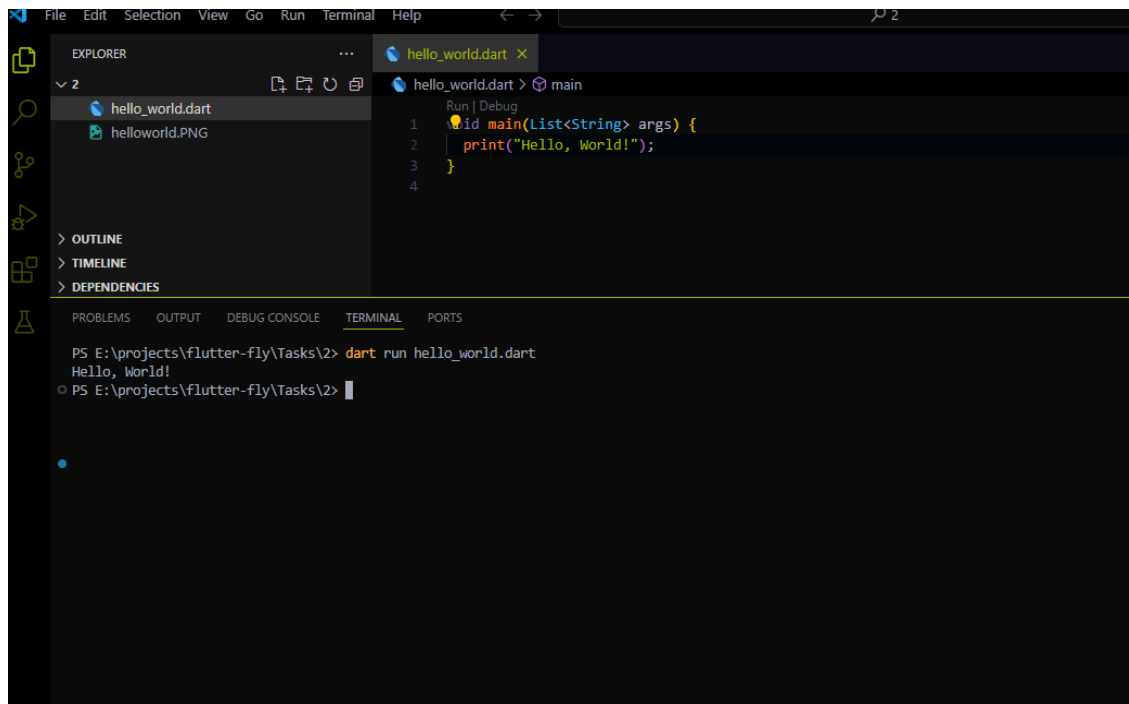


1. How do you print "Hello, World!" to the console in Dart? Write the code.

Desired Output:

Hello, World!



The screenshot shows an IDE with a file explorer on the left containing 'hello_world.dart' and 'helloworld.PNG'. The main editor displays the following Dart code:

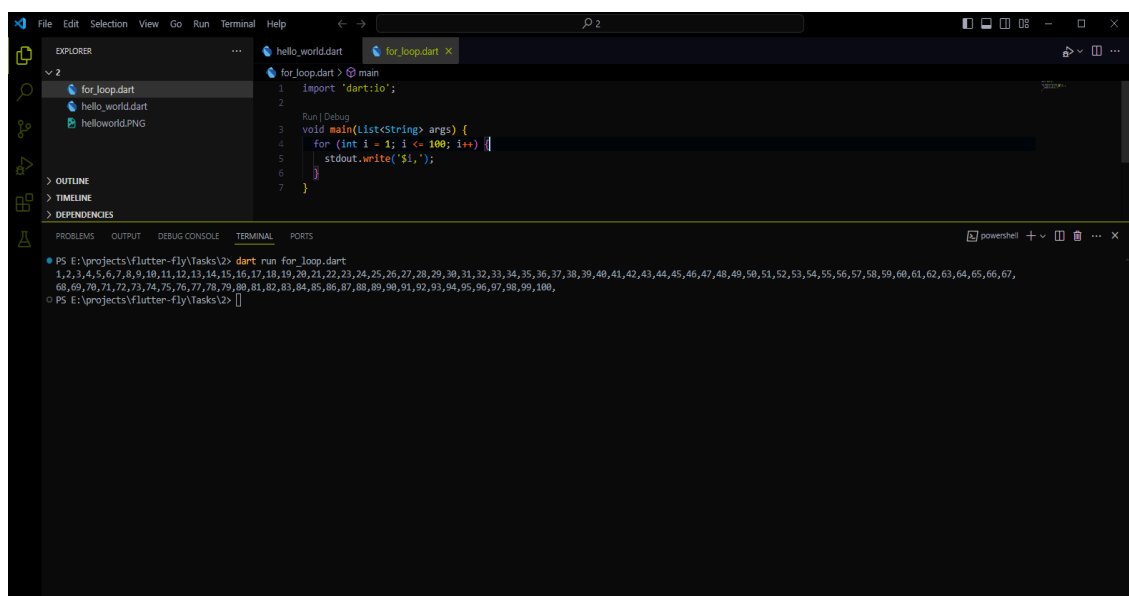
```
1 id main(List<String> args) {  
2   print("Hello, World!");  
3 }  
4
```

The bottom panel shows the terminal with the command `dart run hello_world.dart` and the output `Hello, World!`.

2. Write a Dart program to print numbers from 1 to 100 using a for loop.

Desired Output:

1,2,3....99,100



The screenshot shows an IDE with a file explorer on the left containing 'for_loop.dart', 'hello_world.dart', and 'helloworld.PNG'. The main editor displays the following Dart code:

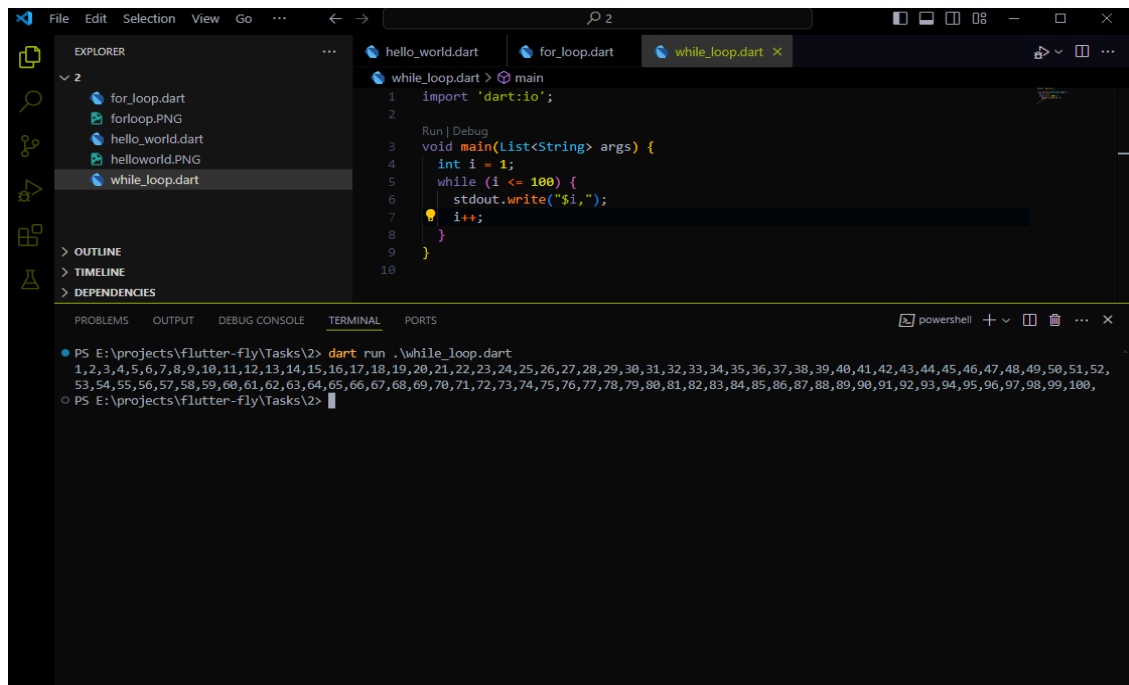
```
1 import 'dart:io';  
2  
3 void main(List<String> args) {  
4   for (int i = 1; i <= 100; i++) {  
5     stdout.write('$i, ');  
6   }  
7 }
```

The bottom panel shows the terminal with the command `dart run for_loop.dart` and the output `1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,`.

- Write a Dart program to print numbers from 1 to 100 using a while loop.

Desired Output:

1,2,3....99,100



The screenshot shows an IDE with a file explorer on the left containing files like `for_loop.dart`, `forloop.PNG`, `hello_world.dart`, `helloworld.PNG`, and `while_loop.dart`. The main editor displays the code for `while_loop.dart`:

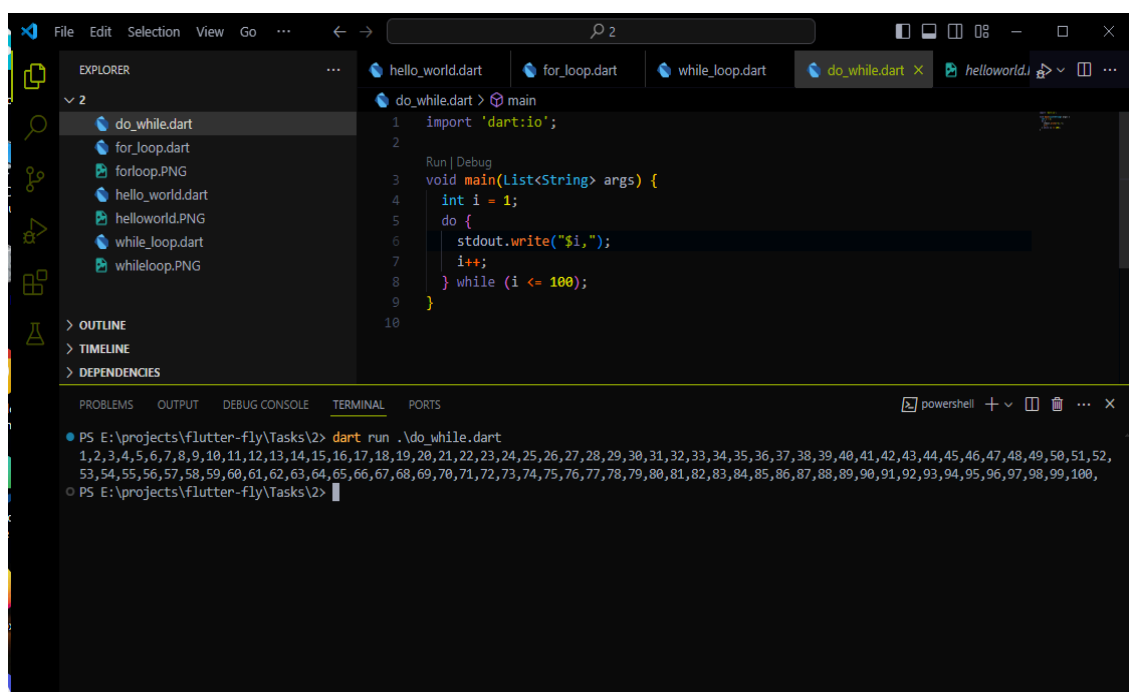
```
1 import 'dart:io';
2
3 void main(List<String> args) {
4   int i = 1;
5   while (i <= 100) {
6     stdout.write("$i,");
7     i++;
8   }
9 }
10
```

The terminal at the bottom shows the command `dart run .\while_loop.dart` and its output: `1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,`

- Write a Dart program to print numbers from 1 to 100 using a do-while Loop.

Desired Output:

1,2,3....99,100



The screenshot shows an IDE with a file explorer on the left containing files like `do_while.dart`, `for_loop.dart`, `forloop.PNG`, `hello_world.dart`, `helloworld.PNG`, `while_loop.dart`, and `whileloop.PNG`. The main editor displays the code for `do_while.dart`:

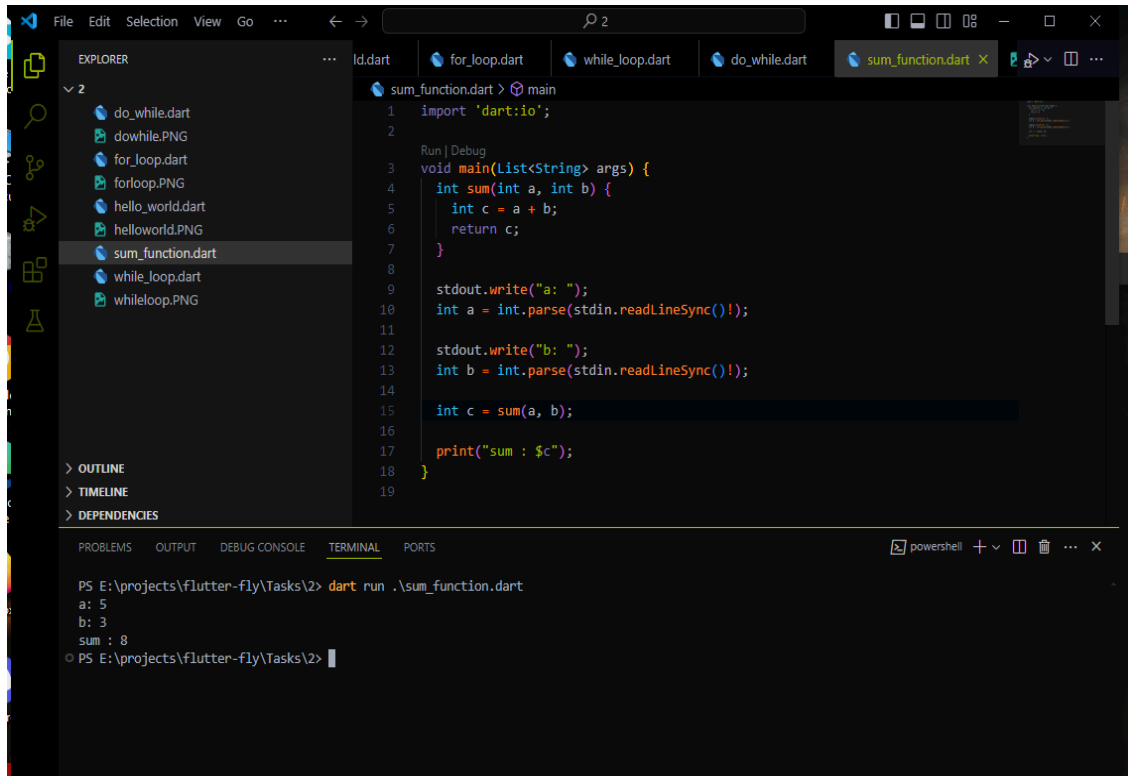
```
1 import 'dart:io';
2
3 void main(List<String> args) {
4   int i = 1;
5   do {
6     stdout.write("$i,");
7     i++;
8   } while (i <= 100);
9 }
10
```

The terminal at the bottom shows the command `dart run .\do_while.dart` and its output: `1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,`

- Write a Dart function that takes two integers as parameters and returns their sum.

Desired Output:

The sum is 8



The screenshot shows an IDE with the following components:

- EXPLORER:** A list of files including `do_while.dart`, `dowhile.PNG`, `for_loop.dart`, `forloop.PNG`, `hello_world.dart`, `helloworld.PNG`, `sum_function.dart` (selected), `while_loop.dart`, and `whileloop.PNG`.
- EDITOR:** Displays the code for `sum_function.dart`. The code is as follows:

```
1 import 'dart:io';
2
3 void main(List<String> args) {
4   int sum(int a, int b) {
5     int c = a + b;
6     return c;
7   }
8
9   stdout.write("a: ");
10  int a = int.parse(stdin.readLineSync()!);
11
12  stdout.write("b: ");
13  int b = int.parse(stdin.readLineSync()!);
14
15  int c = sum(a, b);
16
17  print("sum : $c");
18 }
19
```
- TERMINAL:** Shows the command `dart run .\sum_function.dart` and its output:

```
PS E:\projects\flutter-fly\Tasks\2> dart run .\sum_function.dart
a: 5
b: 3
sum : 8
PS E:\projects\flutter-fly\Tasks\2>
```