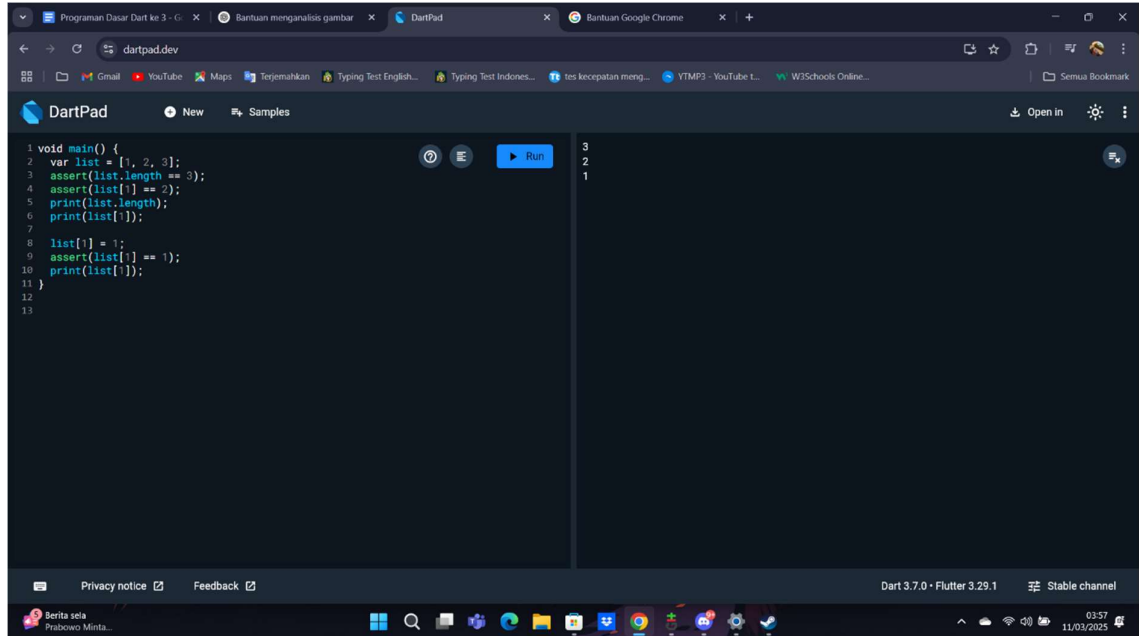


DINI WIJAYAWATI

## TUGAS 3 MOBILE PROGRAMMING

### SOAL 1

#### 1. PRAKTIKUM



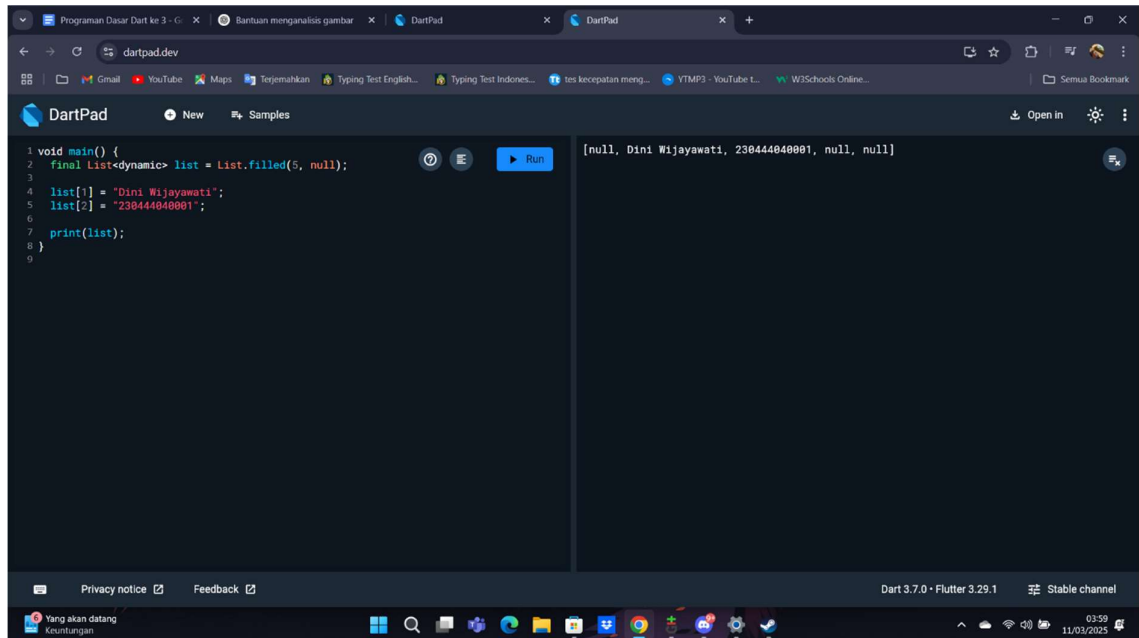
The screenshot shows the DartPad web interface. The code editor on the left contains the following Dart code:

```
1 void main() {  
2   var list = [1, 2, 3];  
3   assert(list.length == 3);  
4   assert(list[1] == 2);  
5   print(list.length);  
6   print(list[1]);  
7  
8   list[1] = 1;  
9   assert(list[1] == 1);  
10  print(list[1]);  
11 }  
12  
13
```

The output console on the right displays the results of the program execution:

```
3  
2  
1
```

The bottom status bar indicates the Dart version is 3.7.0 and Flutter is 3.29.1, using the Stable channel.



The screenshot shows the DartPad web interface. The code editor on the left contains the following Dart code:

```
1 void main() {  
2   final List<dynamic> list = List.filled(5, null);  
3  
4   list[1] = "Dini Wijayawati";  
5   list[2] = "230444040001";  
6  
7   print(list);  
8 }  
9
```

The output console on the right displays the resulting list:

```
[null, Dini Wijayawati, 230444040001, null, null]
```

The bottom status bar indicates the Dart version is 3.7.0 and Flutter is 3.29.1, using the Stable channel.

#### 2. PRAKTIKUM 2

```
1 void main() {  
2   var record = {'first', a: 2, b: true, 'last'};  
3   print(record);  
4  
5   var names1 = <String>{};  
6   Set<String> names2 = {};  
7   var names3 = {};  
8  
9   print(names1);  
10  print(names2);  
11  print(names3);  
12  
13  var gifts = {  
14    'first': 'partridge',  
15    'second': 'turtledoves',  
16    'fifth': 1  
17  };  
18  
19  var nobleGases = {  
20    2: 'helium',  
21    10: 'neon',  
22    18: 2,  
23  };  
24  
25  print(gifts);  
26  print(nobleGases);  
27  
28 }  
29  
30
```

```
{first, last, a: 2, b: true}  
{}  
{}  
{first: partridge, second: turtledoves, fifth: 1}  
{2: helium, 10: neon, 18: 2}
```

```
16   'second': 'turtledoves',  
17   'fifth': 1  
18 };  
19  
20 var nobleGases = {  
21   2: 'helium',  
22   10: 'neon',  
23   18: 2,  
24 };  
25  
26 var mhs1 = Map<String, String>();  
27 gifts['first'] = 'partridge';  
28 gifts['second'] = 'turtledoves';  
29 gifts['fifth'] = 'golden rings';  
30  
31 var mhs2 = Map<int, String>();  
32 nobleGases[2] = 'helium';  
33 nobleGases[10] = 'neon';  
34 nobleGases[18] = 'argon';  
35  
36 print(gifts);  
37 print(nobleGases);  
38 }  
39  
40
```

```
{first, last, a: 2, b: true}  
{}  
{}  
{first: partridge, second: turtledoves, fifth: golden rings}  
{2: helium, 10: neon, 18: argon}
```

2 issues

- ⚠ The value of the local variable 'mhs1' isn't used.  
Try removing the variable or using it. line 26, col 9
- ⚠ The value of the local variable 'mhs2' isn't used.  
line 31, col 7

### 3. PRAKTIKUM 3