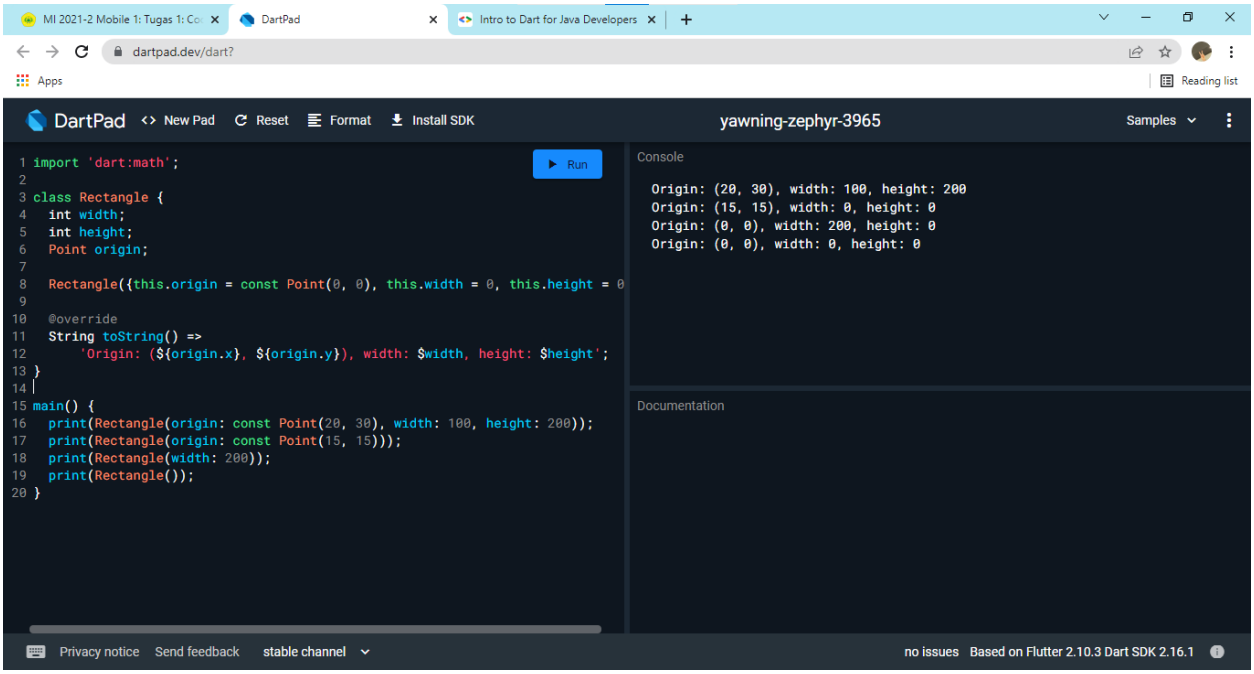
Nama: Revi Ruvina Ratu

NPM: 085020021



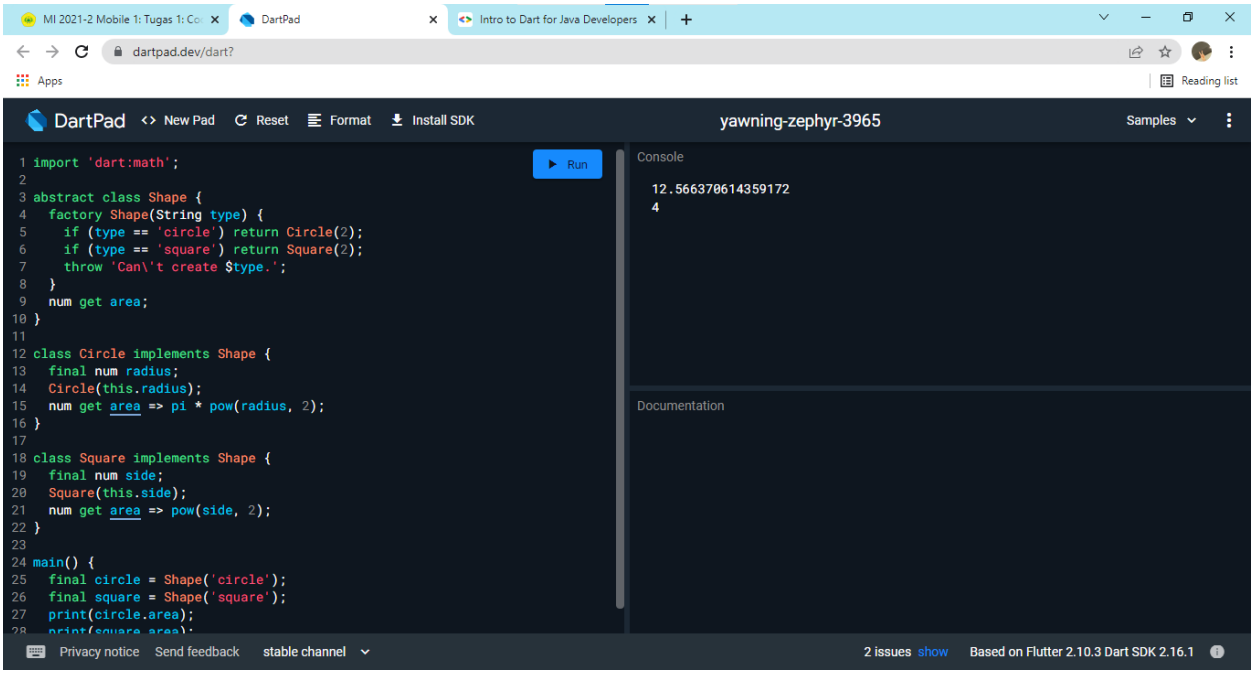

```dart
import 'dart:math';

class Rectangle {
  int width;
  int height;
  Point origin;

  Rectangle({this.origin = const Point(0, 0), this.width = 0, this.height = 0

  @override
  String toString() =>
      'Origin: (${origin.x}, ${origin.y}), width: $width, height: $height';
}

main() {
  print(Rectangle(origin: const Point(20, 30), width: 100, height: 200));
  print(Rectangle(origin: const Point(15, 15)));
  print(Rectangle(width: 200));
  print(Rectangle());
}
```



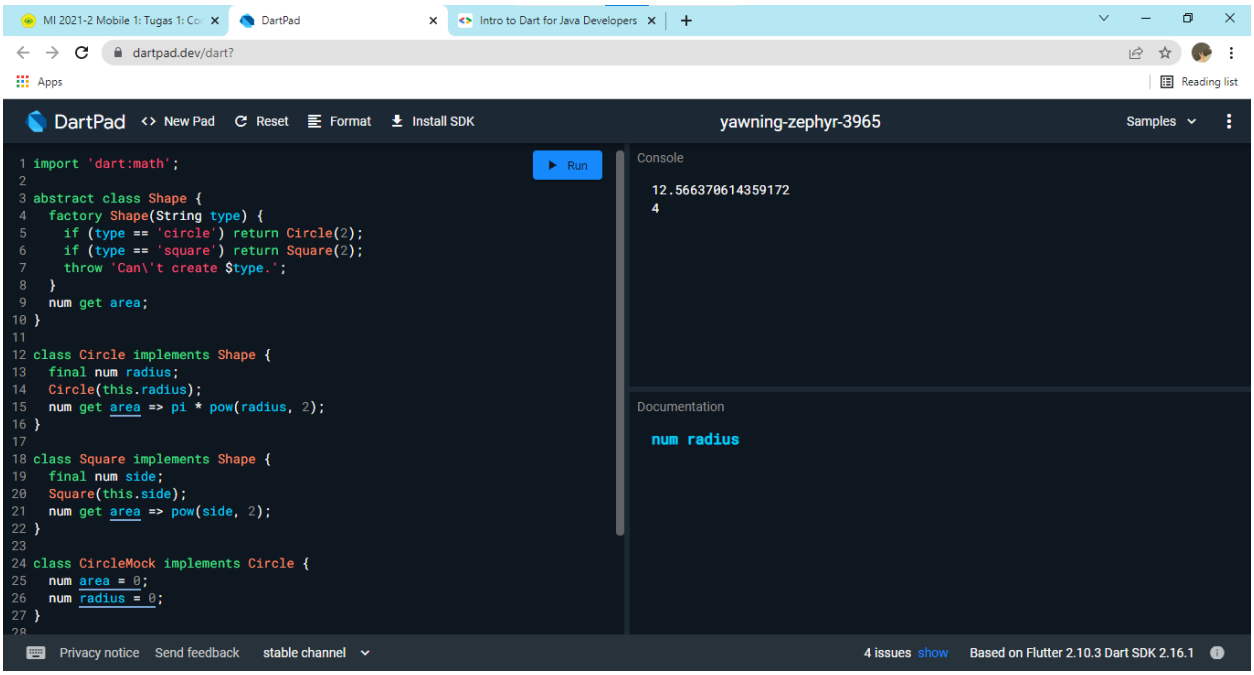

```dart
import 'dart:math';

abstract class Shape {
  factory Shape(String type) {
    if (type == 'circle') return Circle(2);
    if (type == 'square') return Square(2);
    throw 'Can\'t create $type.';
  }
  num get area;
}

class Circle implements Shape {
  final num radius;
  Circle(this.radius);
  num get area => pi * pow(radius, 2);
}

class Square implements Shape {
  final num side;
  Square(this.side);
  num get area => pow(side, 2);
}

main() {
  final circle = Shape('circle');
  final square = Shape('square');
  print(circle.area);
  print(square.area);
```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DartPad
Intro to Dart for Java Developers
dartpad.dev/dart?
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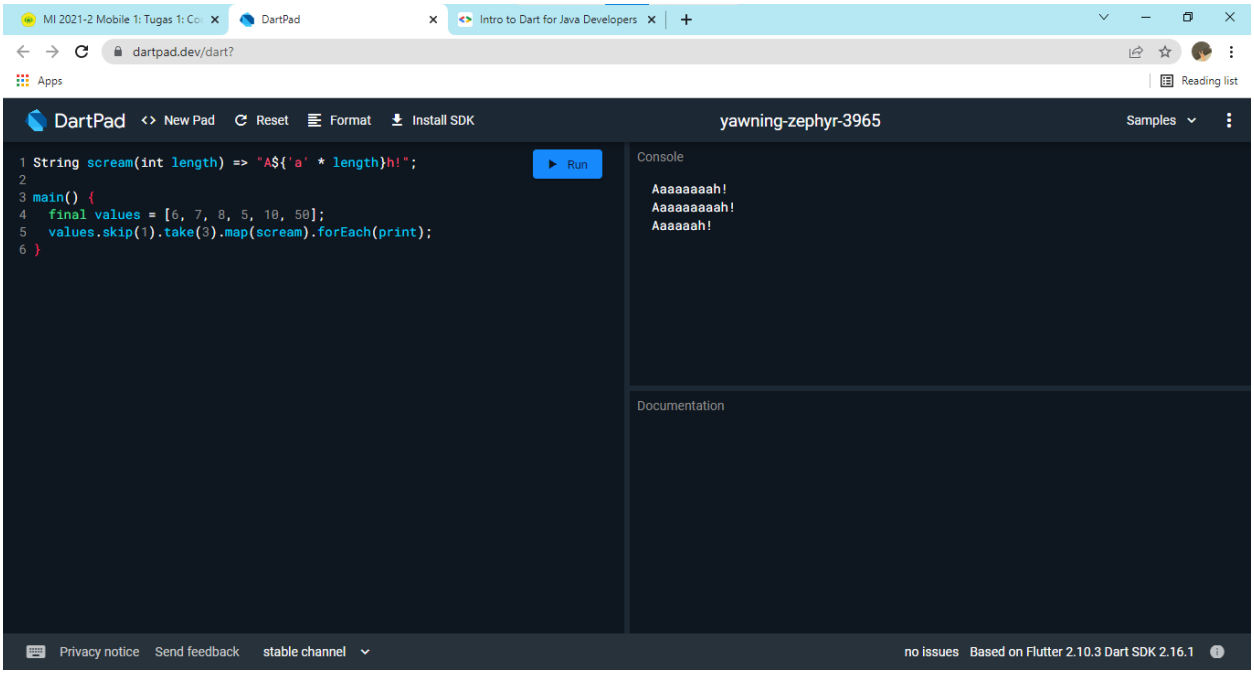
Reading list
DartPad
New Pad
Reset
Format
Install SDK
yawning-zephyr-3965
Samples
Run
1 import 'dart:math';
2
3 abstract class Shape {
4 factory Shape(String type) {
5 if (type == 'circle') return Circle(2);
6 if (type == 'square') return Square(2);
7 throw 'Can\'t create $type.';
8 }
9 num get area;
10 }
11
12 class Circle implements Shape {
13 final num radius;
14 Circle(this.radius);
15 num get area => pi * pow(radius, 2);
16 }
17
18 class Square implements Shape {
19 final num side;
20 Square(this.side);
21 num get area => pow(side, 2);
22 }
23
24 class CircleMock implements Circle {
25 num area = 0;
26 num radius = 0;
27 }
Console
12.566370614359172
4
Documentation
num radius
Privacy notice
Send feedback
stable channel
4 issues show
Based on Flutter 2.10.3 Dart SDK 2.16.1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Samples
Run
1 String scream(int length) => "A${'a' * length}h!";
2
3 main() {
4 final values = [6, 7, 8, 5, 10, 50];
5 values.skip(1).take(3).map(scream).forEach(print);
6 }
Console
Aaaaaaaah!
Aaaaaaaaah!
Aaaaaah!
Documentation
Privacy notice
Send feedback
stable channel
no issues
Based on Flutter 2.10.3 Dart SDK 2.16.1