

M. Pasya Nugraha

085020010

DartPadNewPadResetFormatmeta SDKrustic-dryad-5307Samples

```
1 class Bicycle {
2   int _wheels;
3   int _speed = 100;
4   int get speed => _speed;
5   int _gear;
6
7   Bicycle(this._wheels, this._gear);
8
9   void applyBrake(int increment) {
10    _speed -= increment;
11  }
12
13  void speedUp(int increment) {
14    _speed += increment;
15  }
16
17  @override
18  String toString() => 'Bicycle: $_speed mph';
19 }
20
21 void main() {
22   var bike = Bicycle(2, 1);
23   print(bike);
24 }
25
```

Console

Bicycle: 120 mph

Documentation

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no issues · Based on Flutter 2.10.3 Dart SDK 2.16.1

DartPadNewPadResetFormatmeta SDKJava-to-Dart codelab: Final Rectangle exampleSamples

```
1 import 'dart:math';
2
3 class Rectangle {
4   int width;
5   int height;
6   Point origin;
7
8   Rectangle(this.origin = const Point(0, 0), this.width = 0, this.height = 0);
9
10  @override
11  String toString() =>
12    'Origin: (${origin.x}, ${origin.y}), width: $width, height: $height';
13 }
14
15 main() {
16   print(Rectangle(origin: const Point(10, 20), width: 100, height: 200));
17   print(Rectangle(origin: const Point(10, 10)));
18   print(Rectangle(width: 200));
19   print(Rectangle());
20 }
```

Console

Origin: (10, 20), width: 100, height: 200
Origin: (10, 10), width: 0, height: 0
Origin: (0, 0), width: 200, height: 0
Origin: (0, 0), width: 0, height: 0

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Java-to-Dart codelab: CircleMock example

Samples

```
1 import 'dart:math';
2
3 abstract class Shape {
4   factory Shape(String type) {
5     if (type == 'circle') return Circle();
6     if (type == 'square') return Square();
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 }
28
29 main() {
30   final circle = Shape('circle');
31   final square = Shape('square');
32   print(circle.area);
33   print(square.area);
34 }
35
```

Console

32.566379614200172
4

Documentation

Info

Line 15: Annotated overridden members.

View docs

0

Info

Line 21: Annotated overridden members.

View docs

0

Info

Line 25: Annotated overridden members.

View docs

0

Info

Line 26: Annotated overridden members.

View docs

0

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Java-to-Dart codelab: Scream example - functional code with more Iterable API

Samples

```
1 String scream(int length) => 'AS($a' * length)??';
2
3 main() {
4   final values = [1, 2, 3, 0, 10, 30];
5   values.map(1).take(2).map(scream).forEach(print);
6 }

```

Console

ASa1
ASaa11
ASaaa11

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