

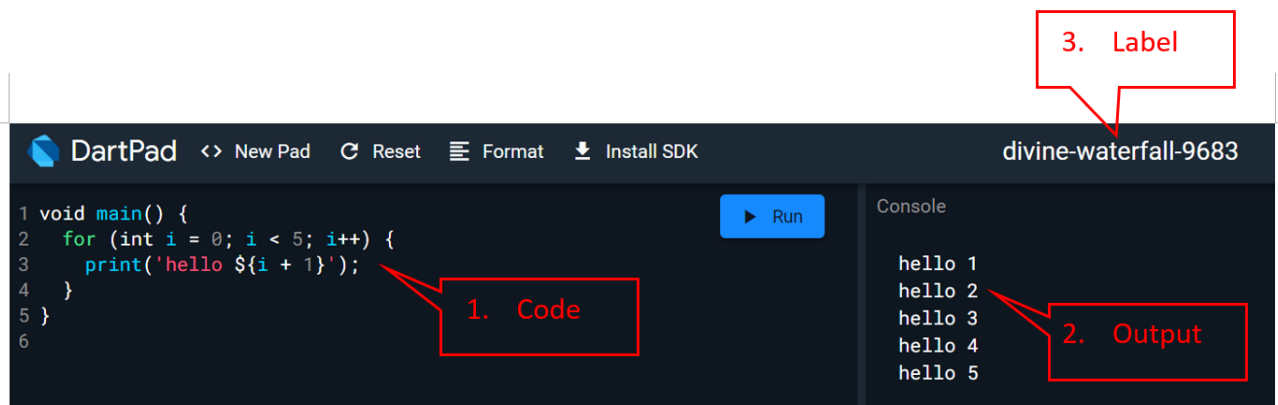
## MOBILE APPLICATION PROGRAMMING (MAPG)

**Lab 4 Introduction to Dart Programming Part 2**Name of Student: Jamie Gonzales Esguerra

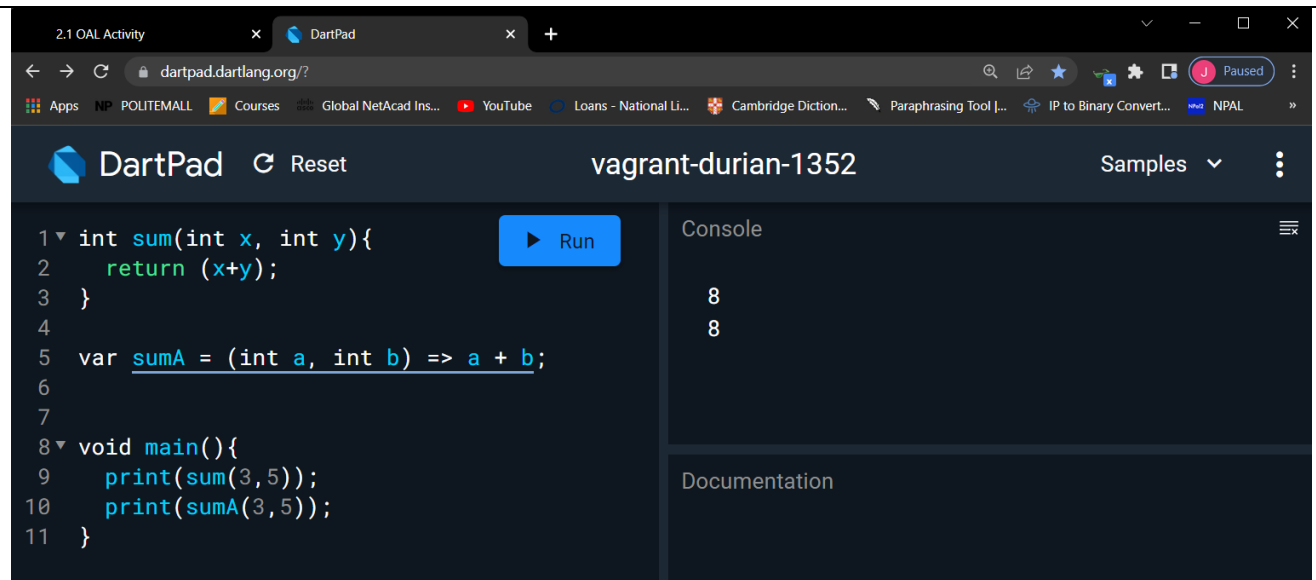
Student ID: \_\_\_\_\_

Sample:

Paste the screenshot of Code and Output here (Please include the 3 items on the screenshots: 1. Code; 2. Output; 3. Label)

**1. Exercise D1, part 5**

Paste the screenshot of Code and Output here (Please include the highlighted 3 items in the sample screenshot)

**2. Exercise E2, part 4**

Paste the screenshot of Code and Output here (Please include the highlighted 3 items in the sample screenshot)

The screenshot shows the DartPad interface with a new pad. The code defines a `Shape` class and a `Circle` class that extends `Shape`. The `main` function calls `Circle` methods.

```

1 class Shape{
2   Shape(){
3     //print("red color in Shape class");
4   }
5
6   Shape.init(var value) {
7     print("$value color in Shape class");
8   }
9 }
10
11 class Circle extends Shape{
12   Circle();super(){
13     print("red color in Circle class");
14   }
15
16   Circle.init(var value) {
17     print('$value circle');
18   }
19 }
20
21 void main(){
22   print("1. Execute Circle()");
23   Circle();
24
25   print("2. Execute Circle.init()");
26   Circle.init("yellow");
27 }

```

The console output shows the execution results:

```

1. Execute Circle()
red color in Circle class
2. Execute Circle.init()
yellow circle

```

### 3. Exercise E3, part 6

Paste the screenshot of Code and Output here (Please include the highlighted 3 items in the sample screenshot)

The screenshot shows the DartPad interface with a new pad. The code defines a `Human` class and a `main` function that creates two `Human` objects and prints their details.

```

1 void main(){
2   Human member1 = Human('Mike', 'Male', 19);
3   Human member2 = Human('Jamie', 'Female', 20);
4   print(member1.name + " " + member1.gender + " " + member1.age.toString());
5   print(member2.name + " " + member2.gender + " " + member2.age.toString());
6 }
7
8 class Human{
9   int age = 0;
10  String name = '';
11  String gender = '';
12
13  Human (this.name, this.gender, this.age); //syntactic
14 }

```

The console output shows the execution results:

```

Mike Male 19
Jamie Female 20

```

\*End of Exercise\*