

MOBILE APPLICATION PROGRAMMING (MAPG)

Lab 3 Introduction to Dart Programming Part 1Name 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)

The screenshot shows the DartPad interface. On the left, the code editor contains a Dart program that prints 'hello' followed by numbers 1 through 5. A red box labeled '1. Code' points to the code. On the right, the console shows the output: 'hello 1', 'hello 2', 'hello 3', 'hello 4', and 'hello 5'. A red box labeled '2. Output' points to the console output. At the top right, the user's name 'divine-waterfall-9683' is displayed, with a red box labeled '3. Label' pointing to it.

```

1 void main() {
2   for (int i = 0; i < 5; i++) {
3     print('hello ${i + 1}');
4   }
5 }
6

```

Console

```

hello 1
hello 2
hello 3
hello 4
hello 5

```

1. Exercise B3_b, part 5

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

The screenshot shows the DartPad interface. On the left, the code editor contains a Dart program that prints the user's name and a message. The code is highlighted in red. On the right, the console shows the output: 'str1 = Jamie Gonzales Esguerra', 'str4 = Hello,', 'My name is Jamie Gonzales Esguerra', and 'I am a SOE student.'. The output is highlighted in red. At the top right, the user's name 'quaint-tulip-8184' is displayed, with a red box pointing to it.

```

1 void main() {
2   String str1 = 'Jamie Gonzales Esguerra';
3   String str4 = 'Hello,';
4
5   print('str1 = $str1');
6   print('str4 = $str4');
7   print('My name is $str1');
8   print('I am a SOE student.');
```

Console

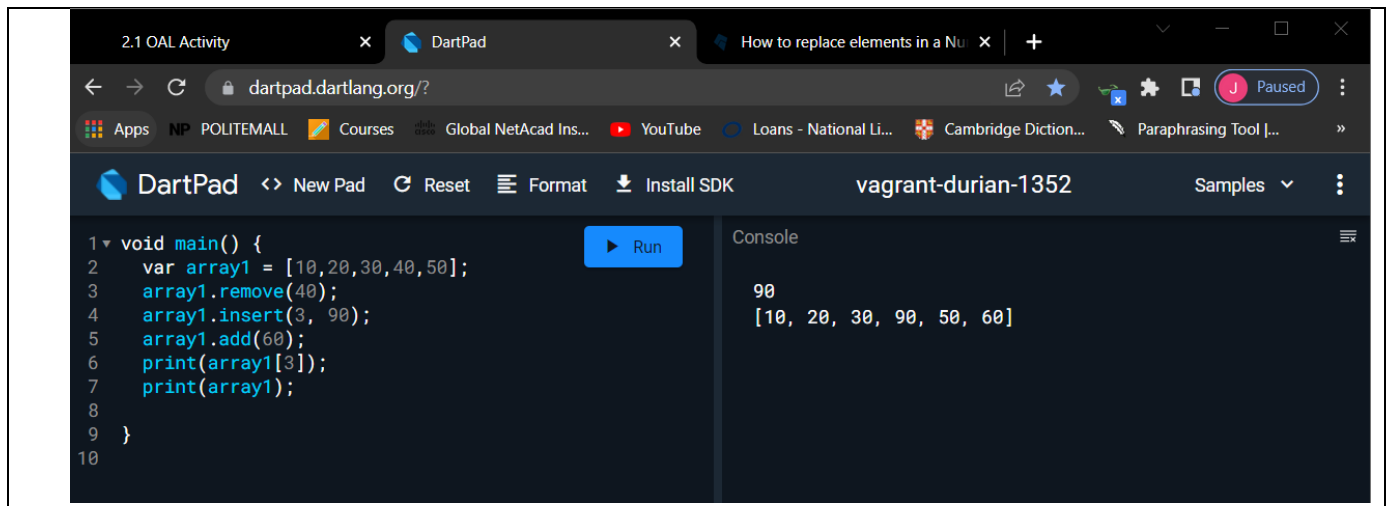
```

str1 = Jamie Gonzales Esguerra
str4 = Hello,
My name is Jamie Gonzales Esguerra
I am a SOE student.

```

2. Exercise B5, 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 web interface. The code editor contains the following Dart code:

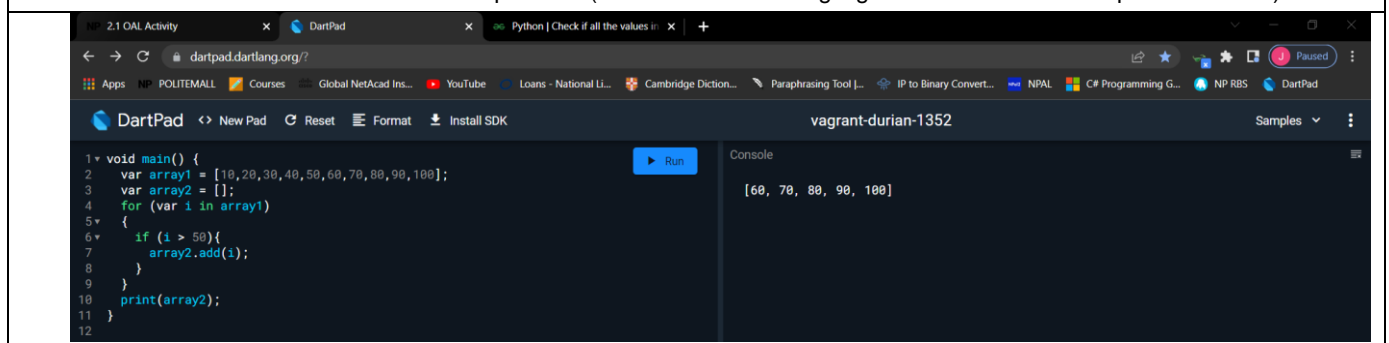
```
1 void main() {  
2   var array1 = [10,20,30,40,50];  
3   array1.remove(40);  
4   array1.insert(3, 90);  
5   array1.add(60);  
6   print(array1[3]);  
7   print(array1);  
8 }  
9  
10
```

The console output shows the result of the code execution:

```
90  
[10, 20, 30, 90, 50, 60]
```

3. Exercise C1, 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 web interface. The code editor contains the following Dart code:

```
1 void main() {  
2   var array1 = [10,20,30,40,50,60,70,80,90,100];  
3   var array2 = [];  
4   for (var i in array1)  
5   {  
6     if (i > 50){  
7       array2.add(i);  
8     }  
9   }  
10  print(array2);  
11 }  
12
```

The console output shows the result of the code execution:

```
[60, 70, 80, 90, 100]
```

End of Exercise