

Week 4 Classwork Exercises

Hello everyone! This document has all the classwork exercises we did in Week 4. In order to make it easy for you to access, we wanted to write all of them here so you can review them at any time. If you want to check your answers, you can view the classwork solutions [here](#).

Problem 1: Create An Array

CW Exercise 1

- Create your own **array**!
- It should consist of your **4** favorite foods
- Use what we learned about **defining** and **declaring** an array
- Think about what **data type** you should use for this task

Example: My favorite sports

"soccer"	"basketball"	"football"	"hockey"
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Problem 2: Calculate Sum (No Loops)

CW Exercise 2

- Using what we learned about indexing, your challenge is to **calculate** and **print** the sum of all values in the array.

```
1 public class ArrayOperations {  
2  
3     public static void main(String[] args) {  
4  
5         int[] array = {11, 4, 25, 15, 10, 33, 4, 6, 17};  
6  
7  
8     }  
9  
10 }
```

Remember that you must get each element using the index to find the sum.

Do **not** directly use the values, ex:
`int sum = 11 + 4 + 25 + 15 + ...;`

Use this setup for your solution.

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Problem 3: Calculate Sum (Using Loops)

CW Exercise 3

We are now going to try this challenge again. This time, using loops.

Your challenge is to make code that **prints** the **sum** of all the integers in the array

```
1  ▶ public class ArrayOperations {  
2  
3  ▶ public static void main(String[] args) {  
4  
5      int[] array = {11, 4, 25, 15, 10, 33, 4, 6, 17};  
6  
7  
8  }  
9  
10 }
```

Use this setup for your solution.