Challenge 2: Find the Second Minimum in an Array

This exercise requires you to find the second minimum in an array.

Problem Statement

Implement a function `secondMinimum(int arr[], int size)` which takes an array **arr** and its **size** and returns the second minimum in the given array.

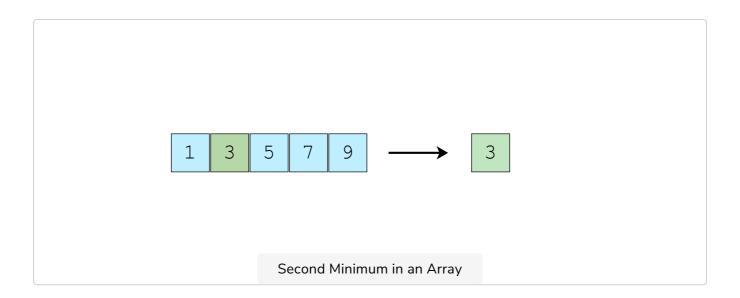## Input: #

An array of integers and its size.

Output:

Second minimum in the given array

Sample Input

```
arr[1,3,5,7,9], 5
```

Sample Input

```
3
```

Second Minimum in an Array

Coding Exercise

This problem is designed for your practice so try to solve it on your own first. If you get stuck, you can always refer to the solution provided in the solution section.

Good Luck!

| C++ | Solution |

```cpp
int secondMinimum(int arr[], int size) {
  int secondmin = 214748364;

  // write your code here

  return secondmin;
}
```

Solution Review

- Initialize two variables **min** and **secondmin**, set them to 214748364 which is maximum vlaue of an integer
- Use a `for` loop which runs till size of the array
- Use `<` relational operator to check if the value at **arr** *ith* index is less than **min**
- Set **Secondmin** equal to **min** and **min** is equal to **arr** *ith* index

- Checks if the **arr** *ith* index is greater than **min** then save it in **secondmin**
- Return the **secondmin**

In the next challenge, we'll solve another problem of functions.