

Home Assignment <01>: Find Intersection

Learning Objective:

To compare two arrays and print matching items

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

The assignment requires comparing two arrays and printing matching elements.

```
int a[]={3,2,11,4,6,7};
```

```
int b[]={1,2,8,4,9,7};
```

Requirements:

- Declare An array for {3,2,11,4,6,7};
- Declare another array for {1,2,8,4,9,7};
- Declare for loop iterator from 0 to array length
- Declare a nested for another array from 0 to array length
- Compare both the arrays using a conditional statement.
- Print the value from first array when there is a match

Hints to Solve:

- Declare two separate arrays, array1 and array2, to store the given integer values.
- Use a nested for loop to iterate over each element in both arrays.
- Within the nested loop, compare the elements of array1 with the elements of array2 using an if statement.
- If a match is found, print the matching element using System.out.println().

Expected Outcome:

Upon completion, you should be able to understand:-

- How to use nested for loop to iterate 2 arrays
- How to use if condition to compare 2 values
- How to apply logic to solve a problem using Java code