

## Best Practices for Assignment <01>: Find Intersection

### Summary of Learning:

- You have learned to iterate values from array
- You have learned to use nested for loop to iterate through 2 arrays
- Now you are comfortable with if condition to compare values
- You are comfortable in applying step by step implementation of java code to solve problems

### Alternative Ways to Complete the Assignment:

- Using Enhanced For Loops: You can use enhanced for loops (for-each) to simplify the code:
- Using Sets: Convert the arrays to sets and use set intersection to find matching items. This approach eliminates duplicates and is more efficient for large arrays.

### Best Practices:

- Use meaningful variable names: Choose descriptive names for variables like array1 and array2 to improve code readability.
- Comment your code: Add comments to explain the purpose of your code and any complex logic.
- Use appropriate data structures: Consider using sets or maps when dealing with unique elements or when you need to perform efficient lookups.
- Avoid redundant comparisons: If you find a match, you can break out of the inner loop to improve efficiency.
- Test with different inputs: Ensure your code works correctly for various input scenarios to validate its functionality.