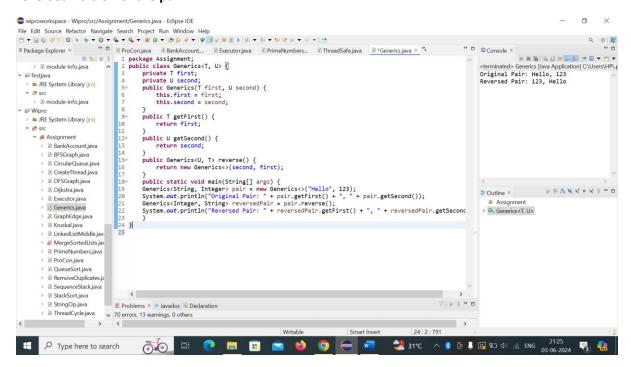
# Day 19 Assignment

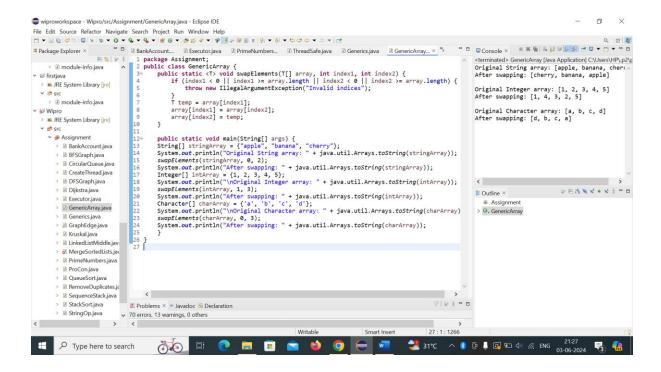
## Task 1: Generics and Type Safety

Create a generic Pair class that holds two objects of different types, and write a method to return a reversed version of the pair.



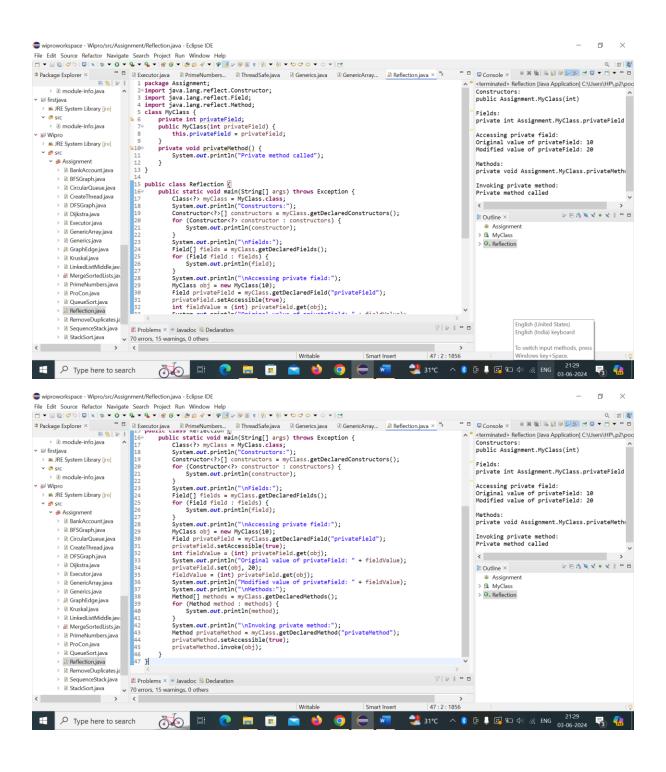
### Task 2: Generic Classes and Methods

Implement a generic method that swaps the positions of two elements in an array, regardless of their type, and demonstrate its usage with different object types.



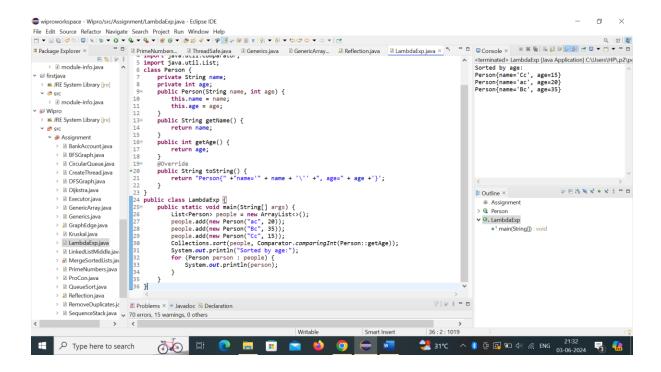
#### Task 3: Reflection API

Use reflection to inspect a class's methods, fields, and constructors, and modify the access level of a private field, setting its value during runtime



## **Task 4: Lambda Expressions**

Implement a Comparator for a Person class using a lambda expression, and sort a list of Person objects by their age.



#### **Task 5: Functional Interfaces**

Create a method that accepts functions as parameters using Predicate, Function, Consumer, and Supplier interfaces to operate on a Person object.

