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.

Method: -

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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.

Method: -

Output: -

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## Comparison of Antique Membrane Antiqu
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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

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```

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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..

Solution: -

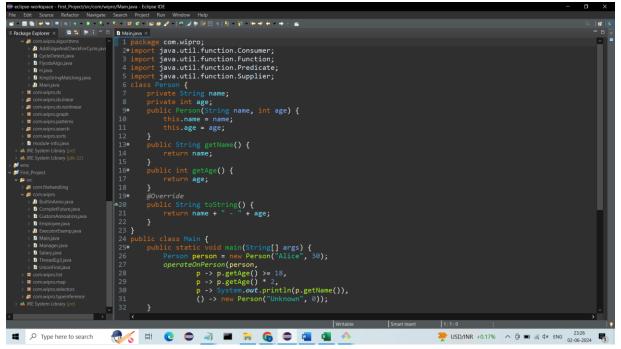
```
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Task 5: Functional Interfaces

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

Method: -



```
<terminated> Main (3) [Java Application] C:
Result of function: 60
Alice
              @Override
public String toString() {
    return name + " - " + age;
}
```