

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.

```
package com.wipro.model;

public class Pair<T,U> {

    private T first;

    private U second;

    public Pair(T first, U second) {

        this.first = first;

        this.second = second;

    }

    public T getFirst() {

        return first;

    }

    public U getSecond() {

        return second;

    }

    public Pair<U, T> reverse() {

        return new Pair<>(second, first);

    }

    @Override

    public String toString() {

        return "(" + first + ", " + second + ")";

    }

    public static void main(String[] args) {

        Pair<String, Integer> pair = new Pair<>("Hello", 123);

        System.out.println("Pair: " + pair);

        Pair<Integer, String> reversedPair = pair.reverse();

        System.out.println("Reversed Pair: " + reversedPair);

    }

}
```

