

Lab 10

1. Use the technique of wildcard capture with helper method to solve the following problem. In a class called Capture, you have been asked to implement a method with the following signature:

```
public static void reverse(List<?> list)
```

The method must put the elements of the list in reverse order, *in place*. Create an appropriate helper method to capture the wildcard.

Example : input in a List1 = { "Java", "MPP", "SE" } need to print { "SE", "MPP", "Java" }

2. Create a generic programming solution to the problem of finding the second smallest element in a list. In other words, devise a public static method `secondSmallest` so that it can handle the biggest possible range of types.
3. Write a generic method to find the sum of List elements. Your `sum()` method need to return the double value.
4. Create your own generic stack class using array to perform `push()`, `pop()`, `size()`, `peek()`, `isEmpty()`. Write a main class to test the code.