# ITEC 2150

## Test 2 Extra Credit

Write a program that uses recursion to return the letters in a given string. The letters should be returned and output last letter, last two letters, last three letters and so on. For example if the string is “First”, the program should output:

t

st

rst

irst

First

Create your own exception, InvalidStringException. This should be thrown if an empty string is entered by the user. Catch this exception and print the message contained in the exception which should be “Invalid String”. Your program should loop until the user enters an empty String.

Please turn in file “StringRecursion.java”, your test class (can be in the main method of StringRecursion and InvalidStringException. StringRecursion must contain a recursive method that solves this problem.

Example output

Please enter the word to process. Press enter to exit

First

t

st

rst

irst

First

Please enter the word to process. Press enter to exit

Last

t

st

ast

Last

Please enter the word to process. Press enter to exit

Invalid string