**Use a stack to take a string and reverse its characters.**

public String doRev(String input) // reverse the string

{

String output;

int stackSize = input.length(); // get max stack size

StackArray theStack = new StackArray(stackSize); // make stack

for(int j=0; j<input.length(); j++)

{

char ch = input.charAt(j); // get a char from input

theStack.push(ch); // push it

}

output = “”;

while( !theStack.isEmpty() )

{

char ch = theStack.pop(); // pop a char,

output = output + ch; // append to output

}

return output;

} // end doRev()