/\*\* Chapt. 3, exercise 5 \*/

public class Testbox {

public static void main(String[] args) {

printGrid(4, 6);

}

public static void printGrid(int rows, int columns) {

for(int i = 1, num = 1; i <= rows; i++) {

int num = i;

for (int j = 1; j <= columns; j++) {

System.out.print(num + " ");

//System.out.printf("%4d", num);

num += rows;

}

System.out.println();

}

}

public static void printGrid2(int rows, int columns) {

int num = 1;

for(int i = 1; i <= rows; i++) {

for (int j = 1; j <= columns; j++) {

//System.out.print(num + " ");

System.out.printf("%4d", num);

num++;

}

System.out.println();

}

}

}

/\*\* Chapt. 3, exercise 13 \*/

import java.util.\*;

public class Testbox {

public static void main(String[] args) {

Scanner console = new Scanner(System.in);

System.out.print("Enter a string: --> ");

String s = console.nextLine(); // 1st use console.next()

printReverse(s);

}

public static void printReverse(String s) {

for(int i = s.length() - 1; i >= 0; i--)

System.out.print(s.charAt(i));

}

}

/\*\* Chapt. 5, exercise 11 \*/

import java.util.\*;

public class Testbox {

public static void main(String[] args) {

int matches = 3;

System.out.printf("\n\nIt took %d flips to get %d HEADS in a row!\n", consecutiveHeads(matches), matches);

}

public static int consecutiveHeads(int n) {

int matched = 0, flips = 0, thisFlip;

Random rand = new Random();

while(matched < n) {

thisFlip = rand.nextInt(2); // move inside of 1st if statement

if(thisFlip == 0) { // 0 = HEADS, 1 = TAILS

System.out.print("H ");

matched++;

} else {

System.out.print("T ");

matched = 0;

}

flips++;

}

return flips;

}

}