**Exercise 7.5**

1. 1. 1 2 3 1 2 3 1 2 3
   2. 1 2 3

1 2 3

1 2 3



public static void arrayOf25(){

int k = 1;

//amount of rows

for(int i = 1; i <= 5; i++){

//amount of columns

for(int j = 1; j <= 5; j++){

System.out.print(k + "\t");

k++;

}

//new line

System.out.println();

}

}

public static void cartesianCoordinates(){

//amount of rows

for(int i = 1; i <= 5; i++){

//amount of columns

for(int j = 1; j <= 5; j++){

System.out.print((j + i)+"\t");

}

//new line

System.out.println();

}

}

**Exercise 7.6**

1. 1. Appropriate test data for the given code segment would be a number greater than 0 and a number less than or equal to 0; to test to see what happens when the test is true and false
   2. Appropriate test data for the given code segment would be a number greater than zero and less than 100, a number less than zero, and a number greater than 100. These are appropriate tests because its tests all clauses; when they are true, and when either one is false.
2. Appropriate test data for Project 4-6 would be a zero for all inputs, a zero for one of each input and a while number for the others, and finally a whole number for all inputs.
3. Appropriate test data for a loop that does not execute a fixed number of times would be a negative number, zero, a normal integer, and a large number.
4. A robust program is a program that checks if the inputted data is invalid upon entry; an example of this is running a while loop for when the inputted data does not meet the constraints of a valid example that constantly asks for a re-input until the entry is valid.