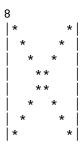
7/13/2017 Report

# Testing SquareBoard.java

#### Test 1



pass

#### **Student files**

SquareBoard.java:

```
1
     import java.util.Scanner;
 2
 3
     public class SquareBoard
 4
 5
        private String[][] board;
 6
        private int length;
 7
 8
 9
           Constructs an empty square game board.
10
            \ensuremath{	ext{@param}} sideLength the length of each side
11
12
        public SquareBoard(int sideLength)
13
           length = sideLength;
14
           board = new String[length][length];
15
           // Fill with spaces
16
           for (int i = 0; i < length; i++)
17
               for (int j = 0; j < length; j++)
  board[i][j] = " ";</pre>
18
19
20
        }
21
22
23
           Creates a string representation of the board, such as
            x o
25
             х
            0 .
26
27
            @return the string representation
28
29
        public String toString()
30
            String r = "";
31
            for (int i = 0; i < length; i++)
32
33
               r = r + "|";
34
               for (int j = 0; j < length; j++)
35
36
                  r = r + board[i][j];
               r = r + " | \n";
37
38
            }
39
            return r;
40
        }
41
```

```
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              Fills the diagonals of this square board with "*" strings.
   43
   44
   45
           public void fillDiagonals()
   46
               for (int i = 0; i < length; i++)
   47
   48
                  for ( int j = 0; j < length; j++)
   49
   50
                       if ( i==j )
   51
   52
                       {
                           board[i][j] = "*";
   53
   54
                       if (i + j == length - 1)
   55
   56
   57
                          board[i][j] = "*";
   58
                       }
   59
                  }
                }
   60
   61
   62
   63
   64
           }
   65
           // This method is used to check your work.
   66
   67
   68
           public static void main(String[] args)
   69
   70
              Scanner in = new Scanner(System.in);
              int n = in.nextInt();
   71
   72
              SquareBoard board = new SquareBoard(n);
   73
              board.fillDiagonals();
   74
              System.out.println(board.toString());
   75
           }
```

## **Score**

76

}

1/1

### **Download**

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