**Diamond Lab**

Create a new project called diamond\_lab with a new class called DiamondWithParams. Copy the below code into that file (make sure the quotations are correct). Compile it and run it. Next, modify the to code to draw the diamond below, by passing parameters to the new method drawLine().

#================#

| <><> |

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#================#

When you are done, the code for topHalf and bottomHalf should be much simpler, and have **no** print statements. So modify topHalf and bottomHalf to call drawLine in the correct place.

**public** **class** DiamondWithParams {

**public** **static** **void** main(String[] args) {

border();

topHalf();

bottomHalf();

border();

}

**static** **void** border() {

System.out.println("#================#");

}

**static** **void** topHalf() {

**for**(**int** line=0; line<=3; line++) {

System.out.print("|");

**int** sumSpaces=6;

**for**(**int** space=1; space<=sumSpaces-line\*2; space++) {

System.out.print(" ");

}

System.out.print("<>");

**for**(**int** dot=1; dot<=line\*4; dot++) {

System.out.print(".");

}

System.out.print("<>");

**for**(**int** space=1; space<=sumSpaces-line\*2; space++) {

System.out.print(" ");

}

System.out.print("|");

System.out.println();

}

}

**static** **void** bottomHalf() {

**for**(**int** line=0; line<=3; line++) {

System.out.print("|");

**for**(**int** space=1; space<=line\*2; space++) {

System.out.print(" ");

}

System.out.print("<>");

**for**( **int** dot=1; dot<=12-line\*4; dot++){

System.out.print(".");

}

System.out.print("<>");

**for**(**int** space=1; space<=line\*2; space++) {

System.out.print(" ");

}

System.out.print("|");

System.out.println("");

}

}

**static** **void** drawLine( **int** spaces, **int** dots ) {

System.out.print("|");

**for**(**int** space=1; space <= spaces; space++) {

System.out.print(" ");

}

System.out.print("<>");

**for**(**int** dot=1; dot<=dots; dot++) {

System.out.print(".");

}

System.out.print("<>");

**for**(**int** space=1; space <= spaces; space++) {

System.out.print(" ");

}

System.out.print("|");

System.out.println();

}

}