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Section - 1

Prev   Next

Question No. 2 **of** 8 | 25 Marks

Printing pattern

Write a JAVA program to accept an integer from user and print pattern as following, (Depending on   the input.

Sample input1:

5

Sample output1:

555555555

544444445

543333345

543222345

543212345

543222345

543333345

544444445

555555555

Sample input2:

4

Sample output2:

4444444

4333334

4322234

4321234

4322234

JAVA (1.8)

For **JAVA**, the class name needs to be **Main**

↻ ◑ ▶ **Compile & Run**   O/P »

```
1   /**
2    *
3    * NOTE : Class Name should be Main
4    *
5    **/
6   import java.io.*;
7   import java.util.*;
8   class Main {
9
10      public static void main(String args[]){
11
12          // input
13          Scanner scn = new Scanner(System.in);
14          int n = scn.nextInt();
15
16          //algo
17          for(int row=1; row<=2*n-1; row++){
18              int num = n;
19              for(int col = 1; col <= 2*n-1; col++){
20
21                  System.out.print(num + "");
22                  //imp conditions
23                  if(col < row)
24                      num--;
25                  if(col > 2*n - 1 - row)
26                      num++;
27              }
28              System.out.println("");
29          }
30
31
32
33
34      }
```

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x

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