

JAVA ASSINGMENT

QUESTION 3:-

Write a program that, given a square matrix of odd dimensions, prints all elements of the matrix, starting from the center, in the order of a spiral as shown in the examples below. Matrix Size: 7x7

Sample input consists of the dimension of the matrix, followed by the rows of the matrix, one row per line.

Sample input

```
7
1 2 3 4 5 6 7
10 8 9 11 13 12 14
3 1 4 5 1 2 7
11 9 8 4 3 5 6
8 13 11 5 10 8 3
19 2 5 7 9 3 12
11 5 4 3 1 5 9
```

OUTPUT:-

```
ca Command Prompt
Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\indra>cd c:\

c:\>cd "Java Program\jdk1.8.0_51\bin"

c:\Java Program\jdk1.8.0_51\bin>javac Matrix7.java

c:\Java Program\jdk1.8.0_51\bin>java Matrix7
4 6 11 3 9 5

c:\Java Program\jdk1.8.0_51\bin>javac Matrix7x7.java

c:\Java Program\jdk1.8.0_51\bin>java Matrix7
4 8 11 5 10 3 1 5 4 1 9 13 2 5 7 9 3 8 5 2 122 13 11 9 8 10 3 11 8 19 11 5 4 3 1 5 9 12 3 6 7 14 7 6 5 4 3 2 1

c:\Java Program\jdk1.8.0_51\bin>
```

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