**Number Patterns**

**Q1. Print the following pattern for the given N number of rows.**

**Pattern for N = 4**

1

11

111

1111

**Input format :**

Integer N (Total no. of rows)

**Output format :**

Pattern in N lines

**Sample Input :**

5

**Sample Output :**

1

11

111

1111

11111

Q2. **Print the following pattern for the given N number of rows.**

**Pattern for N = 4**

1

11

202

3003

**Input format :**

Integer N (Total no. of rows)

**Constraints:**

1 <= n <= 50

**Output format :**

Pattern in N lines

**Sample Input :**

5

**Sample Output :**

1

11

202

3003

40004

Q3. **Print the following pattern for the given N number of rows.**

**Pattern for N = 4**

1

11

121

1221

**Input format :**

Integer N (Total no. of rows)

**Output format :**

Pattern in N lines

**Sample Input :**

5

**Sample Output :**

1

11

121

1221

12221

Q4. **Print the following pattern for the given N number of rows.**

**Pattern for N = 4**

1234

123

12

1

**Input format :**

Integer N (Total no. of rows)

**Output format :**

Pattern in N lines

**Sample Input :**

5

**Sample Output :**

12345

1234

123

12

1

Q5. **Print the following pattern**

**Pattern for N = 4**

1

23

345

4567

**Input Format :**

N (Total no. of rows)

**Output Format :**

Pattern in N lines

**Sample Input 1 :**

3

**Sample Output 1 :**

1

23

345

Q6. **Print the following pattern**

**Pattern for N = 4**

$$$1

$$23

$345

4567

**The $ represent spaces.**

**Input Format :**

N (Total no. of rows)

**Output Format :**

Pattern in N lines

**Sample Input :**

5

**Sample Output :**

$$$$1

$$$23

$$345

$4567

56789

**The $ represent spaces.**

Q7. **Print the following pattern for the given number of rows.**

**Pattern for N = 4**

1111

000

11

0

Input format : N (Total no. of rows)

Output format : Pattern in N lines

**Sample Input :**

5

**Sample Output :**

11111

0000

111

00

1

Q8. **Print the following pattern for the given number of rows.**

**Pattern for N = 5**

1

3 2

4 5 6

10 9 8 7

11 12 13 14 15

Input format : N (Total no. of rows)

Output format : Pattern in N lines

**Sample Input :**

7

**Sample Output :**

1

3 2

4 5 6

10 9 8 7

11 12 13 14 15

21 20 19 18 17 16

22 23 24 25 26 27 28

Q9. **Print the following pattern for the given number of rows.**

**Pattern for N = 7**

1

123

12345

1234567

12345

123

1

Input format : N (Total no. of rows)

Output format : Pattern in N lines

**Sample Input :**

5

**Sample Output :**

1

123

12345

123

1

**There are no spaces before or after the numbers**

**Star Patterns**

Q1. **Print the following pattern**

**Pattern for N = 4**

$$$\*

$$\*\*\*

$\*\*\*\*\*

\*\*\*\*\*\*\*

**The $ represent spaces.**

**Input Format :**

N (Total no. of rows)

**Output Format :**

Pattern in N lines

**Constraints :**

0 <= N <= 50

**Sample Input 1 :**

3

**Sample Output 1 :**

$$\*

$\*\*\*

\*\*\*\*\*

**Sample Input 2 :**

4

**Sample Output 2 :**

$$$\*

$$\*\*\*

$\*\*\*\*\*

\*\*\*\*\*\*\*

Q2. **Print the following pattern for the given number of rows.**

**Pattern for N = 7**

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*

\*\*

\*

Input format : N (Total no. of rows)

Output format : Pattern in N lines

**Sample Input :**

5

**Sample Output :**

\*

\*\*

\*\*\*

\*\*

\*

**Alphabets Patterns**

Q1. **Print the following pattern for the given N number of rows.**

**Pattern for N = 3**

A

BB

CCC

**Input format :**

Integer N (Total no. of rows)

**Output format :**

Pattern in N lines

**Constraints**

0 <= N <= 26

**Sample Input 1:**

7

**Sample Output 1:**

A

BB

CCC

DDDD

EEEEE

FFFFFF

GGGGGGG

**Sample Input 2:**

6

**Sample Output 2:**

A

BB

CCC

DDDD

EEEEE

FFFFFF

Q2. **Print the following pattern for the given number of rows.**

**Pattern for N = 5**

E

DE

CDE

BCDE

ABCDE

**Input format :**

N (Total no. of rows)

**Output format :**

Pattern in N lines

**Constraints**

0 <= N <= 26

**Sample Input 1:**

8

**Sample Output 1:**

H

GH

FGH

EFGH

DEFGH

CDEFGH

BCDEFGH

ABCDEFGH

**Sample Input 2:**

7

**Sample Output 2:**

G

FG

EFG

DEFG

CDEFG

BCDEFG

ABCDEFG