Assignment of Subjective questions

1. Write a C program to print the given triangular number pattern using for loop.

Example

Input

Input N: 5

Output

1

22

333

2222

11111

2. Write a C program to print the given number pattern using loop.

Example

Input

Input any number: 22464

Output

22464

2246

224

22

2

3. Write a C program to print the given number pattern using loop.

Example

Input

Input any number: 24165

Output

24165

4165

165

65

5

4. Write a C program to print the given number pattern using loop.

Example

Input

Input N: 5

Output

1 1

12 12

123 123

1234 1234

12345 12345

1234 1234

123 123

12 12

1 1

5. Write a C program to print the given number pattern series using loop.

Example

Input

Input N: 5

Output

1 1

123 123

12345 12345

1234567 1234567

123456789 123456789

1234567 1234567

12345 12345

123 123

1 1

6. Write a C program to print the given half diamond number pattern series using loop.

Example

Input

Input N: 5

Output

1

121

12321

1234321

123454321

1234321

12321

121

1

7. Write a C program to print the given half diamond star number pattern series using for loop.

Example

Input

Input N: 5

Output

\*

\*1\*

\*121\*

\*12321\*

\*1234321\*

\*123454321\*

\*1234321\*

\*12321\*

\*121\*

\*1\*

\*

8. Write a C program to print the given X number pattern series using for loop.

Example

Input

Input N: 5

Output

1 1

2 2

3 3

4 4

5

4 4

3 3

2 2

1 1