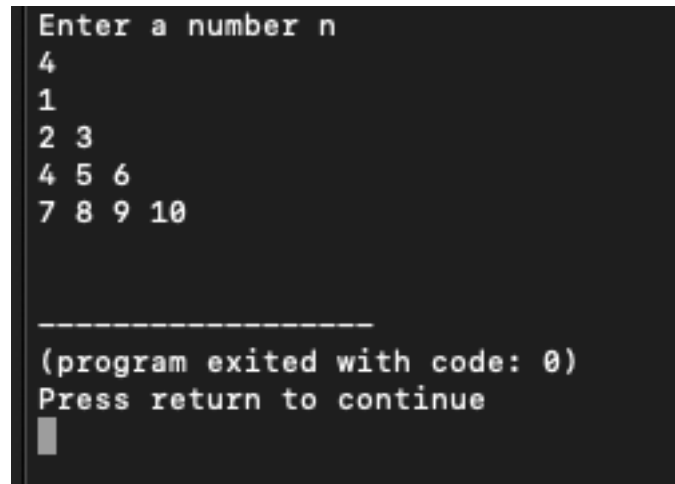


Program1: Pattern(input n no of rows from user)

1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
....

```
import java.util.*;
class pattern
{
    public static void main(String args[])
    {
        Scanner ob = new Scanner(System.in);
        int i,j,n,k=1;
        System.out.println("Enter a number n");
        n = ob.nextInt();
        for(i=1;i<=n;i++)
        {
            for(j=1;j<=i;j++)
            {
                System.out.print(k+" ");
                k++;
            }
            System.out.println();
        }
    }
}
```

OUTPUT:

A screenshot of a terminal window with a black background and white text. The text shows the execution of a Java program. It starts with the prompt "Enter a number n", followed by the user input "4". The program then prints a pattern of numbers: "1", "2 3", "4 5 6", and "7 8 9 10" on separate lines. Below this, there is a separator line of dashes, followed by the text "(program exited with code: 0)" and "Press return to continue". A small grey cursor is visible on the line following the prompt.

```
Enter a number n
4
1
2 3
4 5 6
7 8 9 10

-----
(program exited with code: 0)
Press return to continue
```