Aim:

Write a Program to print the Hollow pyramid pattern

Source Code:

PyramidGap.java

```java
import java.util.Scanner;
class PyramidGap{
    public static void main(String args[]){
        System.out.print("Enter no of rows : ");
        Scanner sc=new Scanner(System.in);
        int n = sc.nextInt();
        int i,j,k,m;
        for(i=n;i>=1;i--){
            k=1;
            m=1;
            for(j=1;j<=n;j++){
                if(i==1||i==n){
                    if(k<i){
                        System.out.print(" ");
                    }
                    else{
                        System.out.print("* ");
                    }
                }
                else{
                    if(m==i||m==n){
                        System.out.print("* ");
                    }
                    else if(m>i){
                        System.out.print("  ");
                    }
                    else{
                        System.out.print(" ");
                    }
                }
                k++;
                m++;
            }
            System.out.println();
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter no of rows : 5
*

```
    *  *
  *      *
 *        *
* * * * *
```

Test Case - 2
User Output
Enter no of rows : 6
*
* *
*   *
*   *
*   *
* * * * * *