

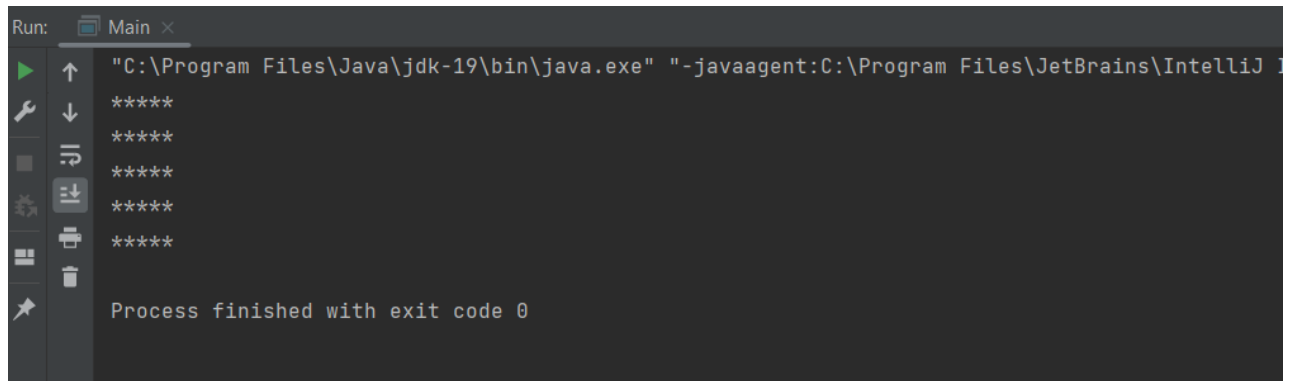
Java Assessment-2

1. Program to print square pattern.

Program:

```
public class Main{  
    public static void main(String[] args) {  
        int i, j;  
        for (i = 1; i <= 5; i++) {  
            for (j = 1; j <= 5; j++) {  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```

Output:



The screenshot shows a Java IDE window titled "Run: Main". The command line at the top reads: `"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ I`. The output area displays five lines of asterisks, each line containing five asterisks: `*****`, `*****`, `*****`, `*****`, and `*****`. At the bottom, it states: `Process finished with exit code 0`. The left sidebar contains standard IDE icons for running, debugging, and other functions.

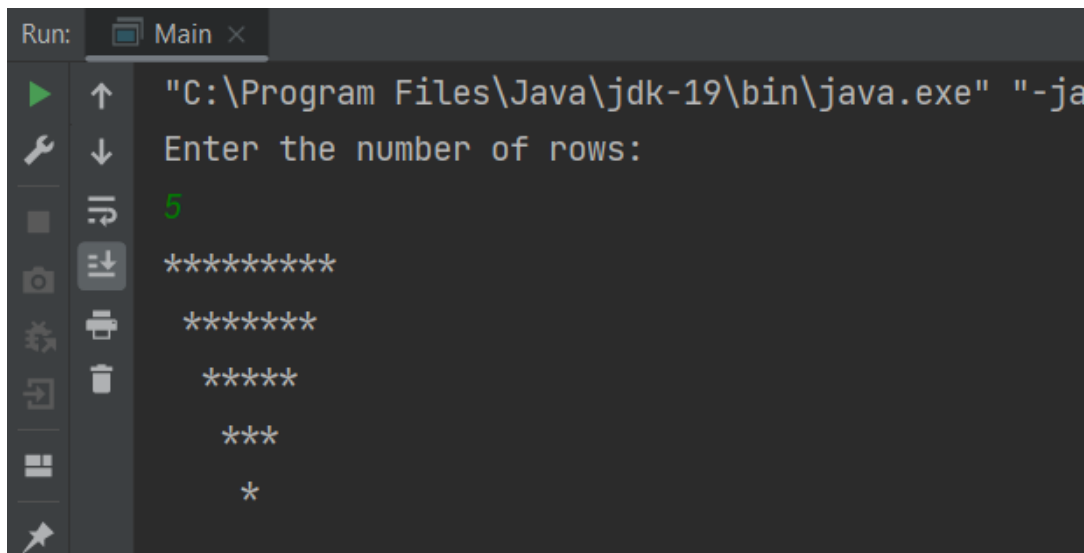
2. Program to print Inverted triangle pattern.

Program:

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        int i,j,n;
        Scanner s=new Scanner(System.in);
        System.out.print("Enter the number of rows: ");
        n=s.nextInt();
        for(i=n;i>0;i--)
        {
            for(j=0;j<n-i;j++)
                System.out.print(" ");
            for(j=1;j<=i*2-1;j++)
            {
                System.out.print("*");
            }

            System.out.println();
        }
    }
}
```

Output:



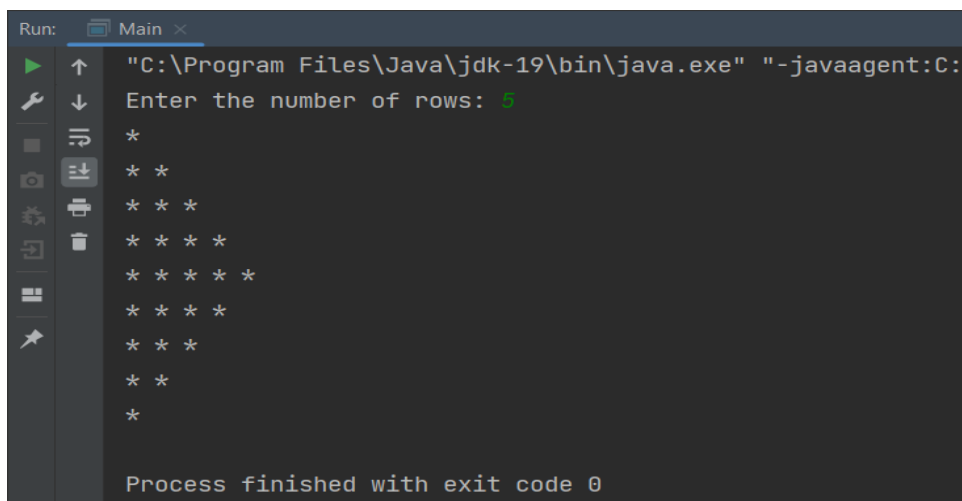
```
Run: Main x
"C:\Program Files\Java\jdk-19\bin\java.exe" "-ja
Enter the number of rows:
5
*****
*****
*****
***
*
```

3. Program to print triangle pattern.

Program:

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        int i,j,n;
        Scanner s=new Scanner(System.in);
        System.out.print("Enter the number of rows: ");
        n=s.nextInt();
        for(i=1;i<=n;i++)
        {
            for(j=1;j<=i;j++)
                System.out.print("* ");
            System.out.println();
        }
        for(i=n-1;i>0;i--)
        {
            for(j=i-1;j>=0;j--)
                System.out.print("* ");
            System.out.println();
        }
    }
}
```

Output:



```
Run: Main x
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\
Enter the number of rows: 5
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

Process finished with exit code 0