Nested For Loop

1. Write a Java program to print the following pattern using nested loops:
*****
*****
*****
*****
*****

2. Create a program to print a right-angle triangle pattern:
*
**
***
****
*****

3. Write a program to print an inverted right-angle triangle:
*****
****
***
**
*

4. Generate a pattern of numbers:
1
12
123
1234
12345

5. Write a program to print a pyramid pattern of stars:
    *
   ***
  *****
 ****
****

6. Write a Java program to print the following pattern:
1
22
333
4444
55555

7. Create a program to print a diamond shape pattern:
```
   *
  ***
 *****
*******
 *****
  ***
   *
```

8. Generate the following pattern using nested loops:
```
54321
4321
321
21
1
```

9. Write a program to print a hollow square pattern with stars:
```
*****
*   *
*   *
*   *
*****
```

10. Create a program to print a mirrored right-angle triangle:
```
    *
   **
  ***
 ****
*****
```

11. Write a Java program to print a Pascal's triangle
```
   1
  1 1
 1 2 1
1 3 3 1
```

12. Create a program to print the following pattern of numbers:
```
1
01
101
0101
10101
```