

```
class pattern1 {

    public static void main(String[] args) {
        int row = 5;

        for (int i = 1; i <= row; i++) {

            for (int j = row; j >= i; j--) {

                System.out.print("* ");

            }

            System.out.println();

        }

        for (int i = 1; i <= row; i++) {

            for (int k = 1 ; k <= i; k++) {

                System.out.print("* ");

            }

            System.out.println();

        }

    }

}
```

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\$ javac pattern1.java && java pattern1

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```
class pattern2 {

    public static void main(String[] args) {
        byte row = 5;

        for (int i = 0; i <= row; i++) {

            for (int j = 0; j <= i; j++) {

                System.out.print("* ");

            }

            System.out.println();
        }

        for (int i = 0; i <= row; i++) {

            for (int j = row; j >= i; j--) {

                System.out.print("* ");

            }

            System.out.println();
        }

    }

}
```

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\$ javac pattern2.java && java pattern2

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```
class pattern3 {  
  
    public static void main(String[] args) {  
        byte row = 5;  
  
        for (int i = 1; i < row; i++) {  
  
            for (int j = row; j >= i; j--) {  
  
                System.out.print("* ");  
  
            }  
  
            System.out.println();  
  
        }  
  
        for (int i = 1; i <= row; i++) {  
  
            for (int k = 1; k <= i; k++) {  
  
                System.out.print("* ");  
  
            }  
  
            System.out.println();  
  
        }  
    }  
}
```

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\$ javac pattern3.java && java pattern3

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```
class pattern4 {  
  
    public static void main(String[] args) {  
        byte row = 5;  
  
        for (int i = 0; i < row; i++) {  
  
            for (int j = 0; j <= i; j++) {  
  
                System.out.print("* ");  
  
            }  
  
            System.out.println();  
        }  
  
        for (int i = 0; i <= row; i++) {  
  
            for (int j = row; j >= i; j--) {  
  
                System.out.print("* ");  
  
            }  
  
            System.out.println();  
        }  
  
    }  
  
}
```

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\$ javac pattern4.java && java pattern4

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```
class pattern5 {  
  
    public static void main(String[] args) {  
        byte row = 5;  
  
        for (int i = 0; i < row; i++) {  
  
            for (int j = 0; j <= i; j++) {  
  
                System.out.print("-");  
  
            }  
            for (int j = 0; j <= i; j++) {  
  
                System.out.print("*");  
  
            }  
  
            System.out.println();  
        }  
  
        for (int i = 1; i <= row; i++) {  
  
            for (int j = row; j >= i; j--) {  
  
                System.out.print("-");  
  
            }  
            for (int j = row; j >= i; j--) {  
  
                System.out.print("*");  
  
            }  
  
            System.out.println();  
        }  
  
    }  
  
}
```

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\$ javac pattern5.java && java pattern5

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```
class pattern6 {

    public static void main(String[] args) {
        byte row = 5;

        for (int i = 0; i < row; i++) {

            for (int j = 0; j <= i; j++) {

                System.out.print("- ");

            }
            for (int j = 0; j <= i; j++) {

                System.out.print("* ");

            }

            System.out.println();
        }

        for (int i = 2; i <= row; i++) {

            for (int j = row; j >= i; j--) {

                System.out.print("- ");

            }
            for (int j = row; j >= i; j--) {

                System.out.print("* ");

            }

            System.out.println();
        }

    }

}
```

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\$ javac pattern6.java && java pattern6

```
- *
- - * *
- - - * * *
- - - - * * * *
- - - - - * * * * *
- - - - - * * * *
- - - * * *
- - * *
- *
```

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\$

```
class pattern7 {

    public static void main(String[] args) {
        byte row = 5;

        for (int i = 1; i <= row; i++) {

            for (int j = row; j >= i; j--) {

                System.out.print("- ");

            }
            for (int j = row; j >= i; j--) {

                System.out.print("* ");

            }

            System.out.println();

        }

        for (int i = 1; i <= row; i++) {

            for (int k = 1 ; k <= i; k++) {

                System.out.print("- ");

            }
            for (int k = 1 ; k <= i; k++) {

                System.out.print("* ");

            }

            System.out.println();

        }

    }

}
```

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\$ javac pattern7.java && java pattern7

```
- - - - - * * * * *
- - - - * * * *
- - - * * *
- - * *
- *
- *
- - * *
- - - * * *
- - - - * * * *
- - - - - * * * * *
```

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```
class pattern8 {

    public static void main(String[] args) {
        byte row = 5;

        for (int i = 1; i <= row; i++) {

            for (int j = row; j >= i; j--) {

                System.out.print("- ");

            }
            for (int j = row; j >= i; j--) {

                System.out.print("* ");

            }

            System.out.println();

        }

        for (int i = 2; i <= row; i++) {

            for (int k = 1 ; k <= i; k++) {

                System.out.print("- ");

            }
            for (int k = 1 ; k <= i; k++) {

                System.out.print("* ");

            }

            System.out.println();

        }

    }

}
```

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\$ javac pattern8.java && java pattern8

```
- - - - - * * * * *
- - - - * * * *
- - - * * *
- - * *
- *
- - * *
- - - * * *
- - - - * * * *
- - - - - * * * * *
```

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