

# Java Practice Questions — Pattern Printing using Loops

NOTE : Do not Hard Code input.

---

## Question 1: Print Square Pattern (Easy)

Write a Java program to print the following pattern:

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

**Condition:**

- Use loops only
  - Number of rows = 4
  - Number of columns = 4
- 

## Question 2: Print Perpendicular Line (Easy)

Write a Java program to print:

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

**Condition:**

- Number of stars = 5

- Use loop
- 

### Question 3: Print Right Triangle Pattern (Easy)

Write a Java program to print:

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

**Condition:**

- Rows = 5
- 

### Question 4: Print Inverted Right Triangle (Easy–Medium)

Write a Java program to print:

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

**Condition:**

- Rows = 5
- 

### Question 5: Print Number Square Pattern (Easy–Medium)

Write a Java program to print:

```
1 1 1 1
```

2 2 2 2  
3 3 3 3  
4 4 4 4

---

## Question 6: Print Increasing Number Triangle (Medium)

Write a Java program to print:

1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

---

## Question 7: Print Continuous Number Triangle (Medium)

Write a Java program to print:

1  
2 3  
4 5 6  
7 8 9 10

**Hint:** Numbers should continue, not restart from 1.

---

## Question 8: Print Pyramid Pattern (Medium)

Write a Java program to print:

\*  
\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*

**Condition:**

- Rows = 5

- Maintain proper spacing
- 

### Question 9: Print Inverted Pyramid (Medium–Hard)

Write a Java program to print:

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

---

### Question 10: Print Half Pyramid with Same Numbers (Medium–Hard)

Write a Java program to print:

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

---

### Question 11: Print Binary Pattern (Hard)

Write a Java program to print:

```
1
0 1
1 0 1
0 1 0 1
1 0 1 0 1
```

---

### Question 12: Print Diamond Pattern (Hard)

Write a Java program to print:

```

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

---

## Bonus Challenge Question (Very Important for Interviews)

### Question 13: Print Floyd's Triangle

```

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

---

## Bonus Challenge Question (Very Hard)

### Question 14: Print Pascal's Triangle

```

1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

---