1. Print below pattern

```
*
```

```java
public class Demo {

    public static void main(String[] args) {

        System.out.println("*");

    }

}
```

2. Print below pattern

```
*****
```

```java
public class Demo {

    public static void main(String[] args) {

        for(int i = 1; i <= 5; i++)
        {
            System.out.print("*");
        }

    }

}
```

3. Print below pattern

```
*

*

*

*

*
```

```java
public class Demo {

    public static void main(String[] args) {

        for(int i = 1; i <= 5; i++)
        {
            System.out.println("*");
        }

    }

}
```

4.Print below pattern

```
*****

*****

*****

*****

*****
```

```java
public class Demo {

    public static void main(String[] args) {

        for(int i = 1; i <= 5; i++)
        {
            for(int j = 1; j<= 5; j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }

    }

}
```

5. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        for(int i = 1; i <= 5; i++)
        {
            for(int j = 1; j<= 5; j++)
            {
                System.out.print(i + " ");
            }
            System.out.println();
        }

    }

}
```

6. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        for(int i = 1; i <= 5; i++)
        {
            for(int j = 1; j<= 5; j++)
            {
                System.out.print(j + " ");
            }
            System.out.println();
        }

    }

}
```

7. Print below pattern

```
* * * * *

*       *

*       *

*       *

* * * * *
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n; j++)
            {
                if(i == 0 || i == n-1 || j == 0 || j == n-1)
                {
                    System.out.print("*");
                }
```

```
                else
                {
                        System.out.print(" ");
                }
            }
            System.out.println();
        }

    }

}
```

8. Print below pattern

01 02 03 04 05
06 07 08 09 10
11 12 13 14 15
16 17 18 19 20
21 22 23 24 25

```
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        int count = 1;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n; j++)
            {
                if(count < 10)
                {
                        System.out.print("0");
                }
                System.out.print(count + " ");
                count++;
            }
            System.out.println();
```

```
        }

    }

}
```

9. Print below pattern

```
01 02 03 04 05
02 04 06 08 10
03 06 09 12 15
04 08 12 16 20
05 10 15 20 25
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            for(int j = 1; j <= n; j++)
            {
                if( i*j < 10)
                {
                    System.out.print("0");
                }
                System.out.print(i*j + " ");
            }
            System.out.println();
        }

    }

}
```

10. Print below pattern

```
1 2 3 4 5
2 3 4 5 6
3 4 5 6 7
4 5 6 7 8
5 6 7 8 9
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n; j++)
            {
                System.out.print(i+j+1 + " ");
            }
            System.out.println();
        }

    }

}
```

11. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }

    }

}
```

12. Print below pattern
    1
    1 2
    1 2 3
    1 2 3 4
    1 2 3 4 5

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print(j+1 + " ");
            }
            System.out.println();
```

```
        }

    }

}
```

13. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print(i+1 + " ");
            }
            System.out.println();
        }

    }

}
```

14. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int k = 0; k < n-1-i; k++)
            {
                System.out.print(" ");
            }
            for(int j = 0; j <= i; j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }

    }

}
```

15. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int k = 0; k < n-1-i; k++)
            {
                System.out.print(" ");
            }
            for(int j = 0; j <= i; j++)
            {
                System.out.print("*" + " ");
            }
            System.out.println();
        }

    }

}
```

16. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int k = 0; k < n-1-i; k++)
            {
                System.out.print(" ");
            }
            for(int j = 0; j <= i; j++)
            {
                if( j == 0 || j == i || i == n-1)
                {
                    System.out.print("*" + " ");
                }
                else
                {
                    System.out.print("  ");
                }
            }
            System.out.println();
        }

    }

}
```

17. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int k = 0; k < n-1-i; k++)
            {
                System.out.print(" ");
            }
            for(int j = 0; j <= i; j++)
            {
                if( j == 0 || j == i || i == n-1)
                {
                    System.out.print(j+1 + " ");
                }
                else
                {
                    System.out.print("  ");
                }
            }
            System.out.println();
        }

    }

}
```

18. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                if( j == 0 || j == i || i == n-1)
                {
                    System.out.print(j+1 + " ");
                }
                else
                {
                    System.out.print("  ");
                }
            }
            System.out.println();
        }

    }

}
```

19. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print(j+1 + " ");
            }
            System.out.println();
        }

    }

}
```

20. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n-i; j++)
            {
                System.out.print(j+1 + " ");
            }
            System.out.println();
        }

    }

}
```

21. Print below pattern
    1 2 3 4 5
    2 3 4 5
    3 4 5
    4 5
    5

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n-i; j++)
            {
                System.out.print(i+j+1 + " ");
            }
            System.out.println();
```

```
            }

        }

}
```

22. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n-i; j++)
            {
                if(i == 0 || i == n-1 || j == 0 || j == n-i-1)
                {
                    System.out.print(i+j+1 + " ");
                }
                else
                {
                    System.out.print("  ");
                }
            }
            System.out.println();
        }

    }

}
```

23. Print below pattern

```
*

* * *

* * * * *

* * * * * * *

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            for(int j = 1; j <= (2*i)-1; j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }

    }

}
```

24. Print below pattern

```
1
1 2 3
1 2 3 4 5
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            for(int j = 1; j <= (2*i)-1; j++)
            {
                System.out.print(j);
            }
            System.out.println();
        }

    }

}
```

25. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            for(int k = 1; k <= n-i; k++)
            {
                System.out.print("  ");
            }
            for(int j = 1; j <= (2*i)-1; j++)
```

```
                {
                        System.out.print("* ");
                }
                System.out.println();
        }

    }

}
```

26. Print below pattern

1

1 2 1

1 2 3 2 1

1 2 3 4 3 2 1

1 2 3 4 5 4 3 2 1

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            int count = 1;
            for(int j = 1; j <= (2*i)-1; j++)
            {
                if(j < i)
                {
                    System.out.print(count++ + " ");
                }
                else
                {
                    System.out.print(count-- + " ");
                }
            }
            System.out.println();
```

```
        }

    }

}
```

27. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            int count = 1;
            for(int k = 1; k <= n-i; k++)
            {
                System.out.print("  ");
            }
            for(int j = 1; j <= (2*i)-1; j++)
            {
                if(j < i)
                {
                    System.out.print(count++ + " ");
                }
                else
                {
                    System.out.print(count-- + " ");
                }
            }
            System.out.println();
```

```
        }

    }

}
```

28. Print below pattern

    1 1 1 1 1 2
    2 2 2 2 2 3
    3 3 3 3 3 4
    5 4 4 4 4 4
    5 5 5 5 5 6

```
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            if(i%2 == 0)
            {
                System.out.print(i+1);
            }
            for(int j = 1; j <= n; j++)
            {
                System.out.print(i);
            }
            if(i%2 != 0)
            {
                System.out.print(i+1);
            }
            System.out.println();
        }

    }

}
```

29. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print(i+1 + " ");
            }

            System.out.println();
        }
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j < n-i; j++)
            {
                System.out.print(n-i + " ");
            }
            System.out.println();
        }

    }

}
```

30. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        int count = 1;
        for(int i = 0; i < n; i++)
        {
            for(int j = 0; j <= i; j++)
            {
                System.out.print(count++ + " ");
            }

            System.out.println();
        }

    }

}
```

31. Print below pattern

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

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            int count = (i*(i+1))/2;
            for(int j = 1; j <= i; j++)
            {
                System.out.print(count-- + " ");
                if(j < i)
                {
                    System.out.print("* ");
                }
            }
            System.out.println();
        }

    }

}
```

32. Print below pattern

A
B B
C C C
D D D D
E E E E E

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        char ch = 'A';
        for(int i = 1; i <= n; i++)
```

```
        {
            for(int j = 1; j <= i; j++)
            {
                System.out.print(ch + " ");
            }
            System.out.println();
            ch++;
        }

    }

}
```

33. Print below pattern

```
A
A B
A B C
A B C D
A B C D E
```

```
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        for(int i = 1; i <= n; i++)
        {
            char ch = 'A';
            for(int j = 1; j <= i; j++)
            {
                System.out.print(ch + " ");
                ch++;
            }
            System.out.println();
        }
    }
}
```

34. Print below pattern

```
A
B C
D E F
G H I J
K L M N O
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        char ch = 'A';
        for(int i = 1; i <= n; i++)
        {
            for(int j = 1; j <= i; j++)
            {
                System.out.print(ch + " ");
                ch++;
            }
            System.out.println();
        }

    }

}
```

35. Print below pattern

```
A
C B
D E F
J I H G
K L M N O
```

```java
public class Demo {

    public static void main(String[] args) {

        int n = 5;
        char ch = 'A';
        for(int i = 1; i <= n; i++)
        {
            if(i%2 == 0)
            {
                char chRev = (char)(ch + i - 1);
                for(int j = 1; j <= i; j++)
                {
                    System.out.print(chRev-- + " ");
                    ch++;
                }
                System.out.println();
            }
            else
            {
                for(int j = 1; j <= i; j++)
                {
                    System.out.print(ch + " ");
                    ch++;
                }
                System.out.println();
            }
        }
    }
}
```