

Q:-1 Print following Pattern.

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

```
class Pattern
{
    public void patternPrint1(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<n;j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint1(5);
    }
}
```

Q:-2 Print following Pattern.

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

```
class Pattern
{
    public void patternPrint2(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<=i;j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
```

```

        {
            new Pattern().patternPrint2(5);
        }
    }

```

Q:-3 Print following Pattern.

```

1
12
123
1234
12345

```

```

class Pattern
{
    public void patternPrint3(int n)
    {
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print(j);
            }
            System.out.println();
        }
    }

    public static void main(String []args)
    {
        new Pattern().patternPrint3(5);
    }
}

```

Q:-4 Print following Pattern.

```

1
22
333
4444
55555
666666

```

```

class Pattern
{
    public void patternPrint4(int n)
    {
        for(int i=1;i<=n;i++)

```

```

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

public static void main(String []args)
{
    new Pattern().patternPrint4(6);
}

```

Q:-5 Print following Pattern.

```

*****
*****
****
***
**
*
class Pattern
{
    public void patternPrint5(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<n-i;j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}

public static void main(String []args)
{
    new Pattern().patternPrint5(6);
}

```

Q:-6 Print following Pattern.

```
123456
12345
1234
123
12
1
```

```
class Pattern
{
    public void patternPrint6(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=1;j<=n-i;j++)
            {
                System.out.print(j);
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint6(6);
    }
}
```

Q:-7 Print following Pattern.

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

```
class Pattern
{
    public void patternPrint7(int n)
    {
        for (int i=0; i<n; i++)
        {
            for (int j=0;j<n-i-1; j++)
            {
                // printing spaces
                System.out.print(" ");
            }
        }
    }
}
```

```

    }
    for (int j=0; j<2*i+1; j++ )
    {
        // printing stars
        System.out.print("*");
    }
    // ending line after each row
    System.out.println();
}

}
public static void main(String []args)
{
    new Pattern().patternPrint7(5);
}
}

```

Q:-8 Print following Pattern.

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*

\*

```

class Pattern
{
    public void patternPrint8(int n)
    {
        for (int i=0; i<n; i++)
        {
            for (int j=0; j<i; j++)
            {
                // printing spaces
                System.out.print(" ");
            }
            for (int j=0; j<2*n-(2*i+1); j++ )
            {
                // printing stars
                System.out.print("*");
            }
            // ending line after each row
            System.out.println();
        }
    }
    public static void main(String []args)
    {

```

```

        new Pattern().patternPrint8(5);
    }
}

```

Q:-9 Print following Pattern.

```

*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*

```

```

class Pattern
{
    public void patternPrint9(int n)
    {
        for(int i=1;i<=2*n-1;i++)
        {
            int star=i;
            if(i>n)
            {
                star=2*n-i;
            }
            for(int j=1;j<=star;j++)
            {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint9(5);
    }
}

```

Q:-10 Print following Pattern.

```

1
0 1
1 0 1
0 1 0 1

```

1 0 1 0 1

```
class Pattern
{
    public void patternPrint10(int n)
    {
        for(int i=1;i<=n;i++)
        {
            int start=1;
            if(i%2==0)
            {
                start=0;
            }
            else
            {
                start=1;
            }
            for(int j=1;j<=i;j++)
            {
                System.out.print(start+" ");
                start=1-start;
            }
            System.out.println();
        }
    }

    public static void main(String []args)
    {
        new Pattern().patternPrint10(5);
    }
}
```

Q:-11 Print following Pattern.

```
1         1
12        21
123       321
1234      4321
1234554321
```

```
class Pattern
{
    public void patternPrint11(int n)
```

```

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

        for(int p=i;p>=1;p--)
        {
            System.out.print(p);
        }
        System.out.println();
        space=space-2;
    }
}
public static void main(String []args)
{
    new Pattern().patternPrint11(5);
}

```

Q:-12 Print following Pattern.

```

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

```

```

class Pattern
{
    public void patternPrint12(int n)
    {
        int num=1;
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print(num+" ");
            }
        }
    }
}

```



```

        num=num+1;
    }
    System.out.println();

}
}
public static void main(String []args)
{
    new Pattern().patternPrint12(5);
}
}

```

Q:-13 Print following Pattern.

```

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

```

```

class Pattern
{
    public void patternPrint13()
    {
        for(int i=65;i<=70;i++)
        {
            for(int j=65;j<=i;j++)
            {
                System.out.print((char)j+" ");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint13();
    }
}

```

Q:-14 Print following Pattern.

```

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

```

A B

A

```
class Pattern
{
    public void patternPrint14()
    {
        for(int i=0;i<=5;i++)
        {
            for(int j=65;j<=70-i;j++)
            {
                System.out.print((char)j+" ");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint14();
    }
}
```

Q:-14 Print following Pattern.

A

B B

C C C

D D D D

E E E E E

F F F F F F

```
class Pattern
{
    public void patternPrint15()
    {
        for(int i=65;i<=70;i++)
        {
            for(int j=65;j<=i;j++)
            {
                System.out.print((char)i+" ");
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint15();
    }
}
```

```

    }
}
Q:-16 Print following Pattern.
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
class Pattern
{
    public void patternPrint16()
    {
        for(int i=0;i<5;i++)
        {
            int print=5;
            for(int j=0;j<=i;j++)
            {
                System.out.print(print+" ");
                print=print-1;
            }
            System.out.println();
        }
    }
    public static void main(String []args)
    {
        new Pattern().patternPrint16();
    }
}

```

```

Q:-17 Print following Pattern.
E
E F
E F E
E F E D
E F E D C
class Pattern
{
    public void patternPrint16()
    {
        for(int i=0;i<5;i++)
        {
            char print='E';
            for(int j=0;j<=i;j++)
            {
                System.out.print(print+" ");
                print=(char)(70-j);
            }
        }
    }
}

```

```

        }
        System.out.println();
    }
}
public static void main(String []args)
{
    new Pattern().patternPrint16();
}
}

```

Q:-18 Print following Pattern.

```

A
ABA
ABCBA
ABCD CBA
ABCDEDCBA
class Pattern
{

```

```

    public void patternPrint18(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<n-i;j++)
            {
                System.out.printf(" ");
            }
            char ch='A';
            int breakpoint=(2*i+1)/2;

            for(int j=1;j<=2*i+1;j++)
            {
                System.out.print(ch);
                if(j<=breakpoint)
                {
                    ch++;
                }
                else
                {
                    ch--;
                }
            }

            System.out.println();
        }
    }
}
public static void main(String []args)

```

```

        {
            new Pattern().patternPrint18(5);
        }
    }

```

Q:-19 Print following Pattern.

```

*****
****  ****
***   ***
**    **
*     *
*     *
**    **
***   ***
****  ****
*****

```

```

class Pattern
{
    public void patternPrint17(int n)
    {
        int space=0;
        for(int i=1;i<=n;i++)
        {
            for(int j=0;j<=n-i;j++)
            {
                System.out.print("*");
            }
            for(int j=0;j<space;j++)
            {
                System.out.print(" ");
            }
            for(int j=0;j<=n-i;j++)
            {
                System.out.print("*");
            }
            space=space+2;
            System.out.println();
        }
        space=8;

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

```

```

        {
            System.out.print("*");
        }
        for(int j=0;j<space;j++)
        {
            System.out.print(" ");
        }
        for(int j=0;j<=i;j++)
        {
            System.out.print("*");
        }
        space=space-2;
        System.out.println();
    }
}
public static void main(String []args)
{
    new Pattern().patternPrint17(5);
}
}

```

Q:-20 Print following Pattern.

```

*           *
**          **
***         ***
****        ****
*****       *****
****        ****
***         ***
**          **
*           *

```

```

class Pattern
{
    public void patternPrint17(int n)
    {
        int space=2*(n-1);
        for(int i=1;i<=2*n-1;i++)
        {

            int star=i;
            if(i>n)
            {
                star=2*n-i;
            }

```

```

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

public static void main(String []args)
{
    new Pattern().patternPrint17(5);
}
}

*****
*   *
*   *
*   *
*****

class Pattern
{
    public void patternPrint17(int n)
    {
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<n;j++)
            {
                if(i==0 || j==0 || i==n-1 || j==n-1)

```

```

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

}

public static void main(String []args)
{
    new Pattern().patternPrint17(5);
}
}

```