

Q Program of patterns.

```
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```

```
import java.util.*;

class loop_demo1

{

    public static void main (String args[])

    {

        int i,j;

        for (i=1;i<=4;i++)

        {

            for (j=0;j<4;j++)

            {

                System.out.print(" * ");

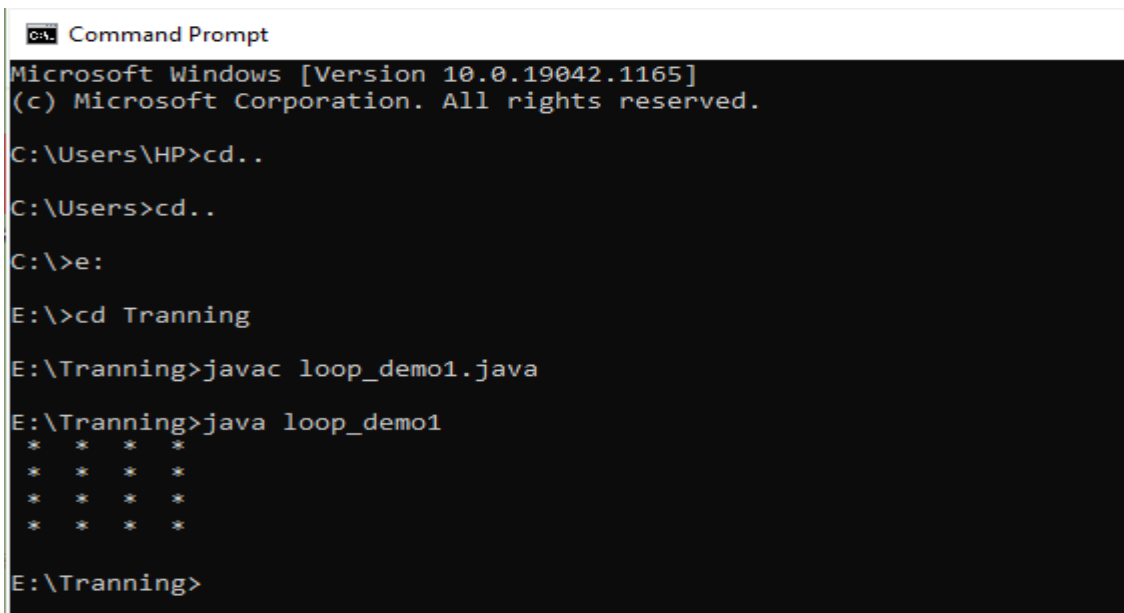
            }

            System.out.println();

        }

    }

}
```



```
Command Prompt
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac loop_demo1.java

E:\Tranning>java loop_demo1
 * * * *
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E:\Tranning>
```

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import java.util.*;

class loop_demo4

{

    public static void main (String args[])

    {

        int i,j;

        for (i=1;i<=6;i++)

        {

            for (j=1;j<i;j++)

            {

                System.out.print(" * ");

            }

            System.out.println();

        }

    }

}

```

```

C:\> Command Prompt
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.
C:\Users\HP>cd..
C:\Users>cd..
C:\>e:
E:\>cd Tranning
E:\Tranning>javac loop_demo4.java
E:\Tranning>java loop_demo4
*
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E:\Tranning>

```

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```
import java.util.*;
```

```
class loop_demo7
```

```
{
```

```
    public static void main (String args[])
```

```
{
```

```
    int i,j,k;
```

```
    for (i=1;i<=5;i++)
```

```
{
```

```
    for (j=1;j<i;j++)
```

```
{
```

```
System.out.print(" ");
```

```
}
```

```
for(k=i;k<=5;k++)
```

```
{
```

```
System.out.print("*");
```

```
}
```

```
System.out.println(" ");
```

```
}
```

```
}
```

```
}
```

CA. Command Prompt

```
Microsoft Windows [Version 10.0.19042.1165]  
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```

```
C:\Users\HP>cd..
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C:\Users>cd..
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C:\>e:
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E:\>cd Tranning
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```
E:\Tranning>javac loop_demo7.java
```

```
E:\Tranning>java loop_demo7
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```
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```
E:\Tranning>
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```
* * * * * * * *
```

```
import java.util.*;
```

```
class loop_demo3
```

```
{
```

```
    public static void main (String args[])
```

```
{
```

```
    int i ,j;
```

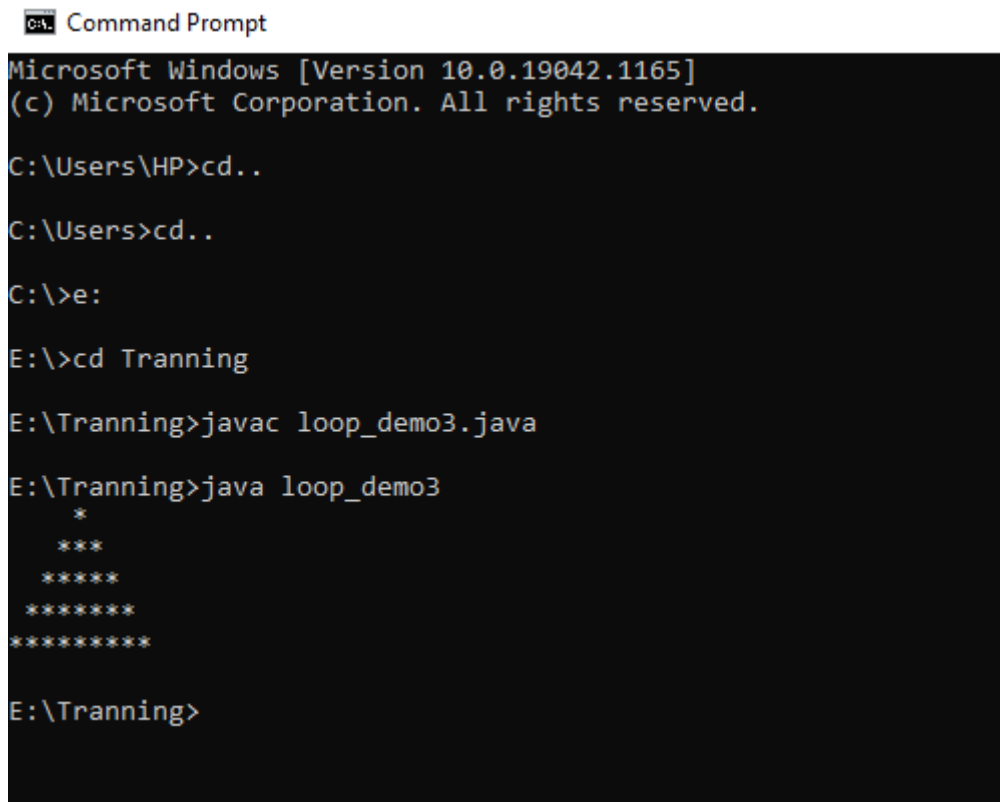
```
    for (i=1;i<=5;i++)
```

```
    {
```

```
        for (j=4;j>=i;j--)
```

```
{
```

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



The screenshot shows a Windows Command Prompt window with the title "Command Prompt". The text inside the window is as follows:

```
Microsoft Windows [Version 10.0.19042.1165]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\HP>cd..  
  
C:\Users>cd..  
  
C:\>e:  
  
E:\>cd Tranning  
  
E:\Tranning>javac loop_demo3.java  
  
E:\Tranning>java loop_demo3  
    *  
  ***  
 *****  
*****  
*****  
  
E:\Tranning>
```

1

1 0

1 0 1

1 0 1 0

1 0 1 0 1

```
import java.util.*;
```

```
class loop_demo9
```

```
{
```

```
    public static void main (String args[])
```

```
{
```

```
    int i ,j;
```

```
    for (i=1;i<=5;i++)
```

```
{
```

```
    for (j=1;j<=i;j++)
```

```
{
```

```
if(j%2==0)
```

```
{
```

```
    System.out.print("0");
```

```
}
```

```
else
```

```
{
```

```
System.out.print("1");
```

```
}
```

```
}
```

```
System.out.println(" ");
```

```
}
```

```
}
```

```
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.19042.1165]  
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Users\HP>cd..
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C:\Users>cd..
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C:\>e:
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```
E:\>cd Tranning
```

```
E:\Tranning>javac loop_demo9.java
```

```
E:\Tranning>java loop_demo9
```

```
1
```

```
10
```

```
101
```

```
1010
```

```
10101
```

```
E:\Tranning>
```

```
1
```

```
0 1
```

```
1 0 1
```

```
0 1 0 1
```

```
1 0 1 0 1
```

```
import java.util.*;
```

```
class loop_demo
```

```
{
```

```
    public static void main (String args[])
```

```
{
```

```
    int i ,j;
```


```
    for (i=0;i<=4;i++)
```

```
{
```

```

        for (j=0;j<=i;j++)
    {
        if((i+j)%2==0)
        {
            System.out.print("1");
        }
        else
        {
            System.out.print("0");
        }
    }
    System.out.println(" ");
}
}
}

```

 Select Command Prompt

```

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(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>cd..

C:\>e:

E:\>cd Tranning

E:\Tranning>javac loop_demo.java

E:\Tranning>java loop_demo
1
01
101
0101
10101

E:\Tranning>

```


* * * * *

* * * * *

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* * *

*

```
import java.util.*;

class loop_demo8
{
    public static void main (String args[])
    {
        int i ,j,k;
        for (i=5;i>=1;i--)
        {
            for (j=5;j>i;j--)
            {
                System.out.print(" ");
            }
            for(j=1;j<=i*2-1;j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.19042.1165]  
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```

```
C:\Users\HP>cd..
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C:\Users>cd..
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C:\>e:
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```
E:\>cd Tranning
```

```
E:\Tranning>javac loop_demo8.java
```

```
E:\Tranning>java loop_demo8
```

```
*****
```

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

```
*
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```
E:\Tranning>
```