CN4001/ CD4001 Software Development Topic 5: Programming with Loops Part 2c

The body of the loop



What is the output from this program?



First line
Second line
First line
Second line
First line
Second line



```
for ( int i = 1 ; i <= 10 ; i ++ )
{
    System.out.println( i );
}</pre>
```

What is the output from this program?



```
for ( int i = 1 ; i <= 10 ; i ++ )
{
    System.out.println( i );
}</pre>
```

```
1
2
3
4
5
6
7
8
9
10
```

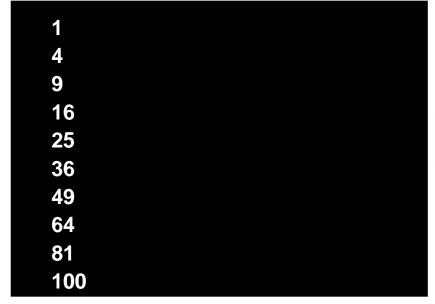


```
for ( int i = 1 ; i <= 10 ; i ++ )
{
    System.out.println( i*i );
}</pre>
```

What is the output from this program?



```
for ( int i = 1 ; i <= 10 ; i ++ )
{
    System.out.println( i*i );
}</pre>
```





```
for ( int i = 10 ; i >= 1 ; i = i -1 )
{
    System.out.println( i );
}
```



```
for ( int i = 10 ; i >= 1 ; i --
{
    System.out.println( i );
}
```

What is the output from this program?



```
for ( int i = 10 ; i >= 1 ; i -- )
{
    System.out.println( i );
}
```

```
10
9
8
7
6
5
4
3
2
```



```
for ( int i = 10 ; i >= 1 ; i -- )
{
    if (i > 5)
    {
        System.out.println(i);
    }
}
```

What is the output from this program?







```
import java.util.*;
public class Iteration
 public static void main(String[] args)
   int num;
   Scanner kb = new Scanner(System.in);
   System.out.print("Enter a number ");
   num = kb.nextInt();
   for (int i= 1; i< num; i++)
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
```



What is the output of this program if the user enters 5 when prompted?

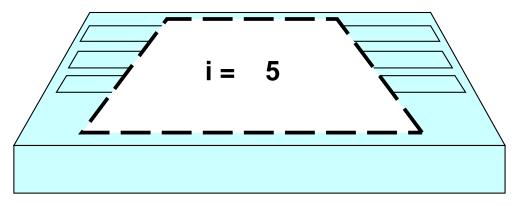


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public class Iteration
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import java.util.*;
public class Iteration
 public static void main(String[] args)
   int num;
   Scanner kb = new Scanner(System.in);
   System.out.print("Enter a number ");
   num = kb.nextInt();
 for (int i= 1; i< num; i++)</p>
     System.out.println("YES");
    System.out.println("NO");
   System.out.println("OK");
```

Enter a number 5 YES NO YES NO YES NO YES NO YES NO OK





```
import java.util.*;
public class Iteration
 public static void main(String[] args)
   int num;
   Scanner kb = new Scanner(System.in);
   System.out.print("Enter a number ");
   num = kb.nextInt();
   for (int i= 1; i< num; i++)
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
```

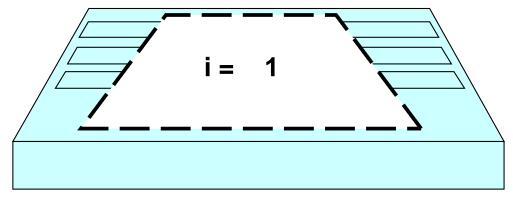


What is the output of this program if the user enters 0 when prompted?



```
import java.util.*;
public class Iteration
 public static void main(String[] args)
   int num;
   Scanner kb = new Scanner(System.in);
   System.out.print("Enter a number ");
   num = kb.nextInt();
  for (int i= 1; i< num; i++)</p>
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
```

Enter a number 0
OK





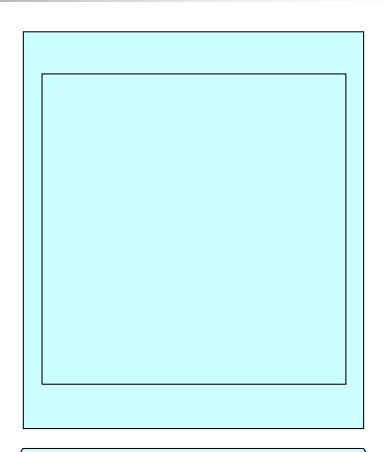
```
import java.util.*;
public class Iteration
 public static void main(String[] args)
   for (int i= 1; i<= 10; i--)
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
```



What is the output of this program?



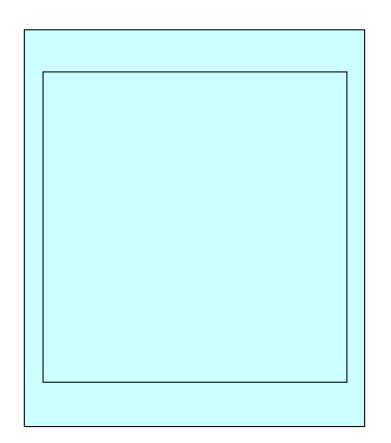
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import java.util.*;
public class Iteration
 public static void main(String[] args)
   for (int i= 1; i<= 10; i--)
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
```

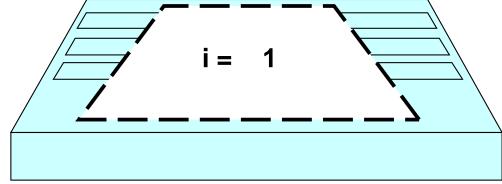






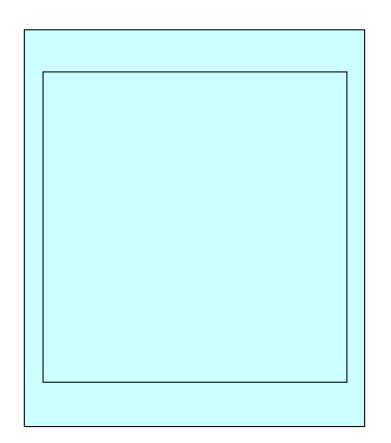
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public class Iteration
  public static void main(String[] args)
   for (int i= 1; i<= 10; i--)
      System.out.println("YES");
      System.out.println("NO");
   System.out.println("OK");
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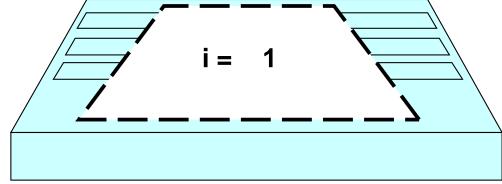






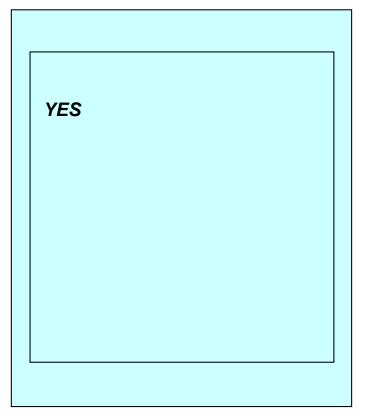
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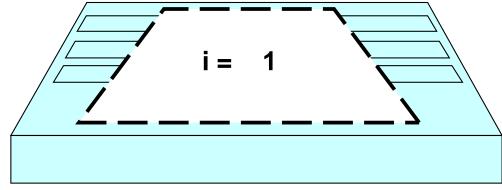






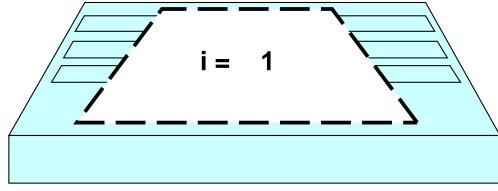
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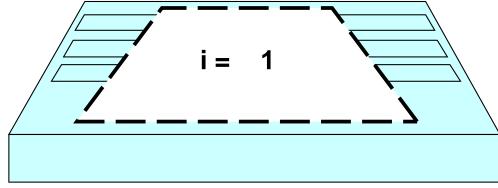


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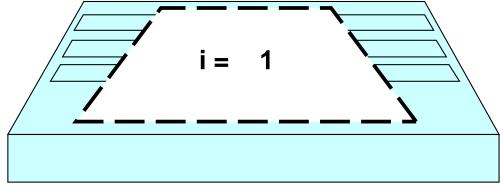


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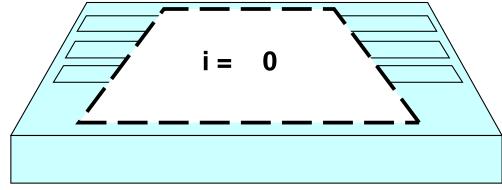


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      System.out.println("YES");
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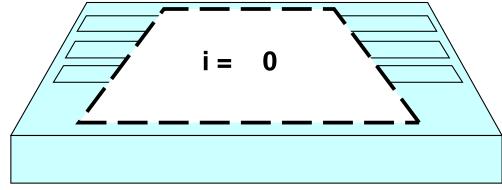


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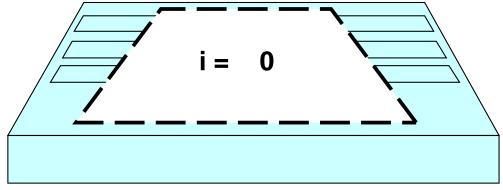
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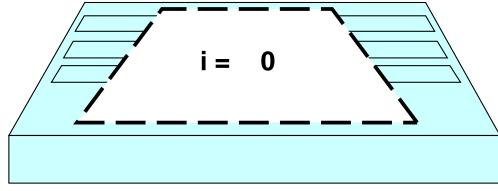
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YES NO YES



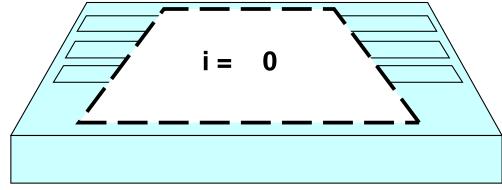


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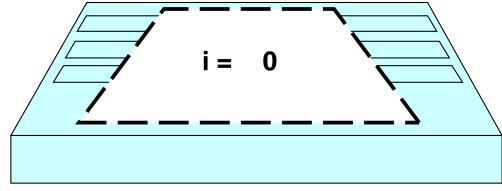


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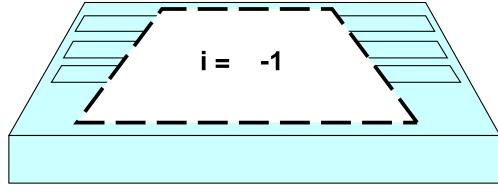


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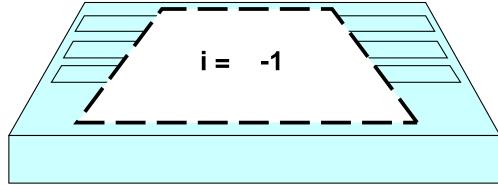


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