

Coding > Java > Loops > J LoopExamples.java > ...

```
1 import java.util.Scanner;
2 public class LoopExamples {
3     // • 11. Write a Java program using a for loop to print numbers from 1 to 10.
4     public static void printOneToTen(){
5         for(int i=1;i<=10;i++){
6             System.out.println("Number: " + i);
7         }
8     }
9     // • 12. Write a Java method using a while loop to count down from 5 to 1.
10    public static void countDown5To1(){
11        int i=5;
12        while(i>=1){
13            System.out.println("Number: " + i);
14            i--;
15        }
16    }
17    // • 13. Write a Java method that keeps asking for input until the word 'exit' is entered.
18    public static void exitDemo(){
19        Scanner sc = new Scanner(System.in);
20        String input="";
21        while (true) {
22            System.out.println("Enter for the Input");
23            input=sc.next();
24            if(input.equalsIgnoreCase("exit")){
25                break;
26            }
27        }
28    }
29    // • 14. Create a Java method using a for loop to print even numbers from 2 to 20.
30    public static void printEven(){
31        for(int i=2;i<=20;i++){
32            if((i&1)==0)System.out.println("Number: "+ i);
33        }
34    }
35    // • 15. Write a Java method that prints a list of names using a for-each loop.
```

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```
2 public class LoopExamples {
30     public static void printEven(){
34     }
35     // • 15. Write a Java method that prints a list of names using a for-each loop.
36     public static void printList(){
37         String [] names={"karan","Veeresh","Rudresh","Bassu","Nandish"};
38         for (String name: names ){
39             System.out.println(name);
40         }
41     }
42     // • 16. Simulate a do-while loop in Java that continues asking for a number until it's negative.
43     public static void doWhileDemo(){
44         Scanner sc =new Scanner(System.in);
45         int number=0;
46         do {
47             System.out.println(x:"Eneter a Number");
48             number = sc.nextInt();
49         } while (number>=0);
50     }
51     // • 17. Write a Java method with a nested loop to print a pattern of stars (5 rows, increasing per row).
52     public static void printPattern(){
53         for(int i=0;i<5;i++){
54             for(int j=0;j<=i;j++){
55                 System.out.print(s:"*");
56             }
57             System.out.println();
58         }
59     }
60 }
61
62 // • 18. Write a Java method that breaks a loop when a number is divisible by 7.
63 public static void sevenDivisibilityDemo(){
64     for(int i = 1; i<=20;i++){
65         if((i%7)==0){
66             System.out.println("Found Number Divisible by 7: "+ i);
67             break;
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62 // • 18. Write a Java method that breaks a loop when a number is divisible by 7.
63 public static void sevenDivisibilityDemo(){
64     for(int i = 1; i<=20;i++){
65         if((i%7)==0){
66             System.out.println("Found Number Divisible by 7: "+ i);
67             break;
68         }
69     }
70
71 }
72 // • 19. Create a Java program using continue to skip odd numbers from 1 to 20.
73 public static void skipOdd(){
74     for(int i =1; i<=20;i++){
75         if((i&1)==1){
76             continue;
77         }
78         System.out.println("NUmber :"+ i);
79     }
80
81 }
82
83 // • 20. Write a Java method to loop over two arrays simultaneously and print the elements together.
84 public static void loopOnTwoArrays(){
85     String [] names={"karan","Veeresh","Rudresh","Bassu","Nandish"};
86     char [] section ={'B','B','A','C','b'};
87     for(int i = 0 ;i< names.length;i++){
88         System.out.println("The Student "+ names[i]+" is from "+section[i]+ "Section");
89     }
90 }
91 }
92
93 Run | Debug | Run main | Debug main
94 public static void main(String[] args) {
95     printOneToTen();
96 }
```

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```
2 public class LoopExamples {
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83 // * 20. Write a Java method to loop over two arrays simultaneously and print the elements together.
84 public static void loopOnTwoArrays(){
85     String [] names={"karan","Veeresh","Rudresh","Bassu","Nandish"};
86     char [] section ={'B','B','A','C','b'};
87     for(int i = 0 ;i< names.length;i++){
88         System.out.println("The Student "+ names[i]+" is from "+section[i]+ "Section");
89     }
90 }
91 }
92
Run | Debug | Run main | Debug main
93 public static void main(String[] args) {
94     printOneToTen();
95     countDown5To1();
96     exitDemo();
97     printEven();
98     printList();
99     doWhileDemo();
100    printPattern();
101    sevenDivisibilityDemo();
102    skipOdd();
103    loopOnTwoArrays();
104 }
105 }
```