

JAVA ARRAY EXAMPLE

PDF

pTutorial

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Java array example for interview pdf

Program No: 01

Print Java Array Example using for loop

```
package pTutorial;

public class PrintArray {

    public static void main(String[] args) {

        int z[]=new int[5]; //declaration

        z[0]=152;

        z[1]=120; //initialization

        z[2]=12;

        z[3]=10;

        z[4]=258;//printing array through loop

        for(int l=0;l<z.length;l++){

            System.out.println(z[l]);

        }

        System.out.println("Length of array = " + z.length);

    }

}
```

OUTPUT

```
152
120
12
10
258
Length of array = 5
```

Note: Please visit website <http://www.ptutorial.com> for more java array example and java array example for interview.

Program No: 02

Print Java array using for each loop Example

```
package pTutorial;  
  
class PrintArray1{  
  
    public static void main(String s[]){  
  
        int z[]={07,38,17,9};  
  
        for(int i=0;i<z.length;i++){  
  
            System.out.println(z[i]);  
  
        }  
  
    }  
}
```

OUTPUT

```
7  
38  
17  
9
```

Program No: 03

User Define Java Array Example

```
//user define java program to print array
package arrayexample;
import java.util.Scanner;
public class ArrayUser
{
    static int n;
    public static void main(String[] args) {
        Scanner uk = new Scanner(System.in);
        System.out.println("Enter the number of element");
        n = uk.nextInt();
        int x[] = new int[n];

        System.out.println("Enter "+ n +" numbers");
        for(int l=0;l<x.length;l++){
            x[l]= uk.nextInt();
        }

        System.out.println("OuTput:");
        System.out.println("Entered numbers are :");
        for(int l=0;l<x.length;l++){
            System.out.println(x[l]);
        }
    }
}
```

OUTPUT

```
Enter the number of element
4
Enter 4 numbers
12
38
07
89
OuTput:
Entered numbers are :
12
38
7
89
```

Program No: 04

Java Sum Of Array Example

```
package pTutorial;
public class SumArray {

    public static void main(String[] s) {

        // number is a array variable
        int[] number = new int[]{ 20, 10, 20, 10, 20};

        int sum = 0;

        for (int i=0; i < number.length ; i++) {
            sum = sum + number[i];
        }

        System.out.println("Total value of array : " + sum);

    }
}
```

OUTPUT

```
Total value of array : 80
```

Program No: 05

Java Addition Of Two Array

```
import java.util.Scanner;
public class AddTwoArray {

    public static void input1(int[] b){
        Scanner uk=new Scanner(System.in);
        System.out.println("Enter 2 numbers");
        for(int l=0;l<b.length;l++){
            b[l]= uk.nextInt();
        }
    }

    public static void input2(int[] d){
        Scanner uk=new Scanner(System.in);
        System.out.println("Enter 2 numbers");
        for(int l=0;l<d.length;l++){
            d[l]= uk.nextInt();
        }
    }

    public static void add(int[] p,int[] k){
        System.out.println("Sum of array:");
        for(int l=0;l<p.length;l++){
            p[l]=p[l]+k[l];
            System.out.println(p[l]);
        }
    }

    public static void main(String[] args) {
        int x[]=new int[2];
        int z[]=new int[2];
        AddTwoArray.input2(x);
        AddTwoArray.input1(z);
        AddTwoArray.add(z,x);
    }
}
```


OUTPUT

```
Enter 2 numbers
2 2
Enter 2 numbers
2 2
Sum of array:
4
4
```

Program No: 06

Java Example Program To Print Lower Triangular Matrix

```
//java program to access lower half array element

class TringleExample{
public static void main(String... z){
    max(new int[][] {{1,2,3},{4,5,6},{7,8,9}});
}

static void max(int d[][]){
    for(int i=0;i<d.length;i++){
        for(int j=0;j<d[i].length;j++){
            {
                if(j==i+1)
                {
                    break;
                }
                System.out.print(d[i][j]+" ");
            }
            System.out.println("\n");
        }
    }
}
```

OUTPUT

```
1
4    5
7    8    9
```

Program No: 07

Java Linear Search Example

```
import java.util.Scanner;
public class JavaArraySearch
{
    public static void main(String args[])
    {
        int k, n, temp, num[];

        Scanner in = new Scanner(System.in);
        System.out.println("Enter the array size");
        n = in.nextInt();
        num = new int[n];

        System.out.println("Enter " + n + " numbers");

        for (k = 0; k < n; k++)
            num[k] = in.nextInt();

        System.out.println("Enter integer to search");
        temp = in.nextInt();

        for (k = 0; k < n; k++)
        {
            if (num[k] == temp)
            {
                System.out.println(temp + " is present at index " + (k + 1) + ".");
                break;
            }
        }
        if (k == n)
            System.out.println(temp + " is not present in the array.");
    }
}
```

OUTPUT

```
Enter the array size
3
Enter 3 numbers
3
5
8
Enter integer to search
5
5 is present at index 2.
```

Program No: 08

Print Diagonal Matrix Java Example

```
public class PrintDiagonalMatrix {
    public static void main(String[] args ) {
        int sum=0;
        int a3[][]={{1,2,3,4},{10,20,30,40},{100,200,300,40},{1,2,0,4}};
        for(int j=0;j<a3.length;j++){
            System.out.println(a3[j][j]);
        }
    }
}
```

OUTPUT

```
1
20
300
4
```

Note: Please visit website <http://www.ptutorial.com> for more java string example and explanations.

If you ever think a **java array example** is not explained clearly or think we should add a specific **java array example** suggest me at info@ptutorial.com. We will add String example as soon as possible for better experience.

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