[redacted] (/)

Practice questions on Java Array

Level 1 Level 2

Level 1

1. Take 10 integer inputs from user and store them in an array and print them on screen.

```
import java.util.*;

class Ans{
  public static void main(String[] args){
    Scanner s = new Scanner(System.in);
    int[] z = new int[10];
    for(int i = 0;i<z.length;i++){
      System.out.println("Print the value of z["+i+"]");
      z[i] = s.nextInt();
    }
    for(int i = 0;i<z.length;i++){
      System.out.println("The value of z["+i+"] is "+z[i]);
    }
  }
```

Take 10 integer inputs from user and store them in an array. Again ask user to give a number. Now, tell user whether that number is present in array or not.

3. Take 20 integer inputs from user and print the following:
number of positive numbers
number of negative numbers
number of odd numbers
number of even numbers
number of 0s.

```
import java.util.*;

class Ans{
  public static void main(String[] args){
    Scanner s = new Scanner(System.in);
    int[] z = new int[20];
    int pos = 0;
    int neg = 0;
    int odd = 0;
    int even = 0;
    int zero = 0;
    for(int i = 0;i<z.length;i++){
      System.out.println("Print the value of z["+i+"]");
      z[i] = s.nextInt();

      if(z[i]>0){
        pos++;
      }
      else if(z[i]<0){
        neg++;
      }
      else{
        zero++;
      }
      if(z[i]%2==0){
        even++;
      }
      else{
        odd++;
      }
    }
    System.out.println("Positive : "+pos+"\nNegative : "+neg+"\nZero : "+zero+"\nodd : "+odd+"\neven : "+even);
  }
}
```

4. Take 10 integer inputs from user and store them in an array. Now, copy all the elements in an another array but in reverse order.

```
import java.util.*;

class Ans{
  public static void main(String[] args){
    Scanner s = new Scanner(System.in);
    int[] a = new int[10];
    int[] b = new int[10];
    for(int i =0;i<a.length;i++){
      System.out.println("Enter the value of a["+i+"]");
      a[i] = s.nextInt();
    }
    int j = 0;
    for(int i = b.length-1;i>=0;i--){
      b[i] = a[j];
      j++;
    }
    for(int i = 0; i< b.length; i++){
      System.out.println("The value of b["+i+"] is "+b[i]);
    }
  }
}
```

5. Write a program to find the sum and product of all elements of an array.

6. Initialize and print all elements of a 2D array.

7. Find largest and smallest elements of an array.

```
import java.util.*;

class Ans{
  public static void main(String[] args){
    Scanner s = new Scanner(System.in);
    int[] a = new int[10];
    for(int i =0;i<a.length;i++){
      System.out.println("Enter the value of a["+i+"]");
      a[i] = s.nextInt();
    }

    int largest = a[0];
    int smallest = a[0];

    for(int i = 0;i<a.length;i++){
      if(a[i]>largest)
        largest = a[i];
      if(a[i]<smallest)
        smallest = a[i];
    }

    System.out.println("Largest is "+largest+" and smallest is "+smallest);

  }
}
```

8. Write a program to check if elements of an array are same or not it read from front or back. E.g.-

```
import java.util.*;

class Ans{
  public static void main(String[] args){
    int[] a = {2,3,15,15,3,2};
    boolean read = true;
    int j = a.length-1;

    for(int i =0;i<a.length/2;i++){
      if(a[i]!=a[j]){
        read = false;
        break;
      }
      else
        j--;
    }
    System.out.println(read);
  }
}
```

9. Take an array of 10 elements. Split it into middle and store the elements in two dfferent arrays. E.g.-
INITIAL array :

9	8	81	1	78

10. Consider an integer array, the number of elements in which is determined by the user. The elements are also taken as input from the user. Write a program to find those pair of elements that has the maximum and minimum difference among all element pairs.

maximum difference = higest-lowest
minimum difference = second lowest - lowest

11. If the input array is [10, 12, 20, 30, 25, 40, 32, 31, 35, 50, 60], your program should be able to find that the subarray lies between the indexes 3 and 8.

New Questions

Shop for food in one of the big supermarkets **- Perl**

(/discussion/shop-for-food-in-one-of-the-big-supermarkets)

r1=[1,'waqq',45,'pranjal']? **- Python**

(/discussion/r11waqq45pranjal)

Let's talk about sports betting? **- Other**

(/discussion/lets-talk-about-sports-betting)

How to Find Your IMEI Number on Android? **- C Sharp**

(/discussion/how-to-find-your-imei-number-on-android)

How to solve this problem? **- C**

(/discussion/how-to-solve-this-problem)

Qu'est-ce que le jeu? **- Algorithms**

(/discussion/quest-ce-que-le-jeu)

Do you believe in mediums or psychics? **- C Sharp**

(/discussion/do-you-believe-in-mediums-or-psychics)

Ask Yours (/add_question/)

Recent Posts

pow() in Python

pow() in Python

(/blog/article/pow-in-python/)

Dutch National Flag problem - Sort 0, 1, 2 in an array

Dutch National Flag problem - Sort 0, 1, 2 in an array

(/blog/article/dutch-national-flag-algorithm/)

memoryview() in Python

memoryview() in Python

(/blog/article/memoryview-in-python/)

next() in Python

next() in Python

(/blog/article/next-in-python/)

Post Yours (/blog/submit-article/)

DOPE

FOLLOW US

(https://www.facebook.com/codesdope) (https://twitter.com/CodesDope) (https://www.pinterest.com/codesdope/) (https://www.linkedin.com/company/codesdope)

BLOG (/blog/)
COURSES (/course/)
PRACTICE (/practice/)
DISCUSSION (/discussion/)
TERMS OF USE (/terms-of-use/)
PRIVACY POLICY (/privacy-policy/)
CONTACT US (/contact-us/)
ADVERTISEMENT (/advertise-with-us/)

KEEP IN TOUCH

help@codesdope.com (mailto:help@codesdope.com)