



Arrays: Part 1

Deadline

Feb 23, 2021, 11:59 PM

Introduction to Arrays

How To Declare Arrays

Correct Statement ● 10.0/10

Array Operations

Predict The Output ● 10.0/10

Predict The Output ● 10.0/10

 Predict The Output ● 10.0/10
👤 1 Doubt(s) asked

Predict The Output ● 10.0/10

Taking Input And Printing Array

Moving Into Functions

Length Of Array ● 10.0/10

Return Array Sum ● 40.0/40

Finding Largest Element

Linear Search ● 40.0/40

Arrange Numbers In Array ● 40.0/40

How To Add

Correct Statement

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Figure out the correct statement for the code below ?

```
int[] arr = new int[5];  
arr = new int[6];
```

Options

- ☐ The code has compile error because the variable arr cannot be changed once it is assigned.
- ☒ The code will compile and run fine. The second line assigns a new array to arr. ✓
- ☐ The code has compile errors because we cannot assign a different size array to arr.
- ☐ None of these

Correct Answer



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- Correct Statement
- Array Operations
- Predict The Output ● 10.0/10
- Predict The Output ● 10.0/10
- Predict The Output ● 10.0/10
1 Doubt(s) asked
- Predict The Output ● 10.0/10
- Taking Input And Printing Array
- Moving Into Functions
- Length Of Array ● 10.0/10
- Return Array Sum ● 40.0/40
- Finding Largest Element
- Linear Search ● 40.0/40
- Arrange Numbers In Array ● 40.0/40
- More About Data types
- Non Primitives ● 10.0/10

Predict The Output

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What will be the output of the following code ?

```
int arr[] = new int[5];  
System.out.println(arr[0]);
```

Options

- ☐ Garbage value
- ☐ ArrayIndexOutOfBoundsException

☒ 0 ✓

Correct Answer

Solution Description

####Whenever an integer array is created, all elements are initialised to 0.



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Array Operations

Predict The Output ● 10.0/10

Predict The Output ● 10.0/10

 Predict The Output ● 10.0/10
👤 1 Doubt(s) asked

Predict The Output ● 10.0/10

Taking Input And Printing Array

Moving Into Functions

Length Of Array ● 10.0/10

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Finding Largest Element

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Arrange Numbers In Array ● 40.0/40

More About Data types

Non Primitives ● 10.0/10

Primitives With Functions

Predict The Output ● 10.0/10

Predict The Output

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What will be the output of the following code ?

```
char chArray[] = new char[15];  
System.out.println(chArray[15]);
```

Options

☐ Garbage value☒ ArrayIndexOutOfBoundsException ✓☐ 0

Correct Answer

Solution Description

For an array of size n, indexes of the array range from 0 to (n - 1). So here for array of size 15, valid indices are from 0 to 14. This chArray[15] is trying to access an invalid index which gives ArrayIndexOutOfBoundsException.



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Predict The Output

Predict The Output 10.0/10

Predict The Output 10.0/10
1 Doubt(s) asked

Predict The Output 10.0/10

Taking Input And Printing Array

Moving Into Functions

Length Of Array 10.0/10

Return Array Sum 40.0/40

Finding Largest Element

Linear Search 40.0/40

Arrange Numbers In Array 40.0/40

More About Data types

Non Primitives 10.0/10

Primitives With Functions

Predict The Output 10.0/10

Predict The Output

Send Feedback

What will be the output of the following code ?

```
boolean arr[] = new boolean[5];  
System.out.println(arr[0]);
```

Answer

Type here

false



Correct Answer

Solution Description

####Whenever an boolean array is created, all elements are initialised to false.



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- Predict The Output 10.0/10
- Predict The Output 10.0/10
- Taking Input And Printing Array
- Moving Into Functions
- Length Of Array 10.0/10
- Return Array Sum 40.0/40
- Finding Largest Element
- Linear Search 40.0/40
- Arrange Numbers In Array 40.0/40
- More About Data types
- Non Primitives 10.0/10
- Primitives With Functions
- Predict The Output 10.0/10
- Arrays With Functions-1

Predict The Output

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What will be the output ?

```
public class Main {  
    public static void main(String args[]){  
        int arr[] = new int[5];  
        arr[1] = 10;  
        arr = new int[2];  
        System.out.println(arr[0]);  
    }  
}
```

Options

- ☐ 10
- ☒ 0 ✓
- ☐ Compilation Error

Correct Answer

Solution Description

####arr initially refers to an array of size 5, line 2 assigns 10 to arr[1] but in line 3 arr is made to point to a new array of size 2. By default all elements of integer array are initialized to 0. Hence line 4 will print 0.



Arrays: Part 1

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Finding largest and smallest array

Moving Into Functions

Length Of Array ● 10.0/10

Return Array Sum ● 40.0/40

Finding Largest Element

Linear Search ● 40.0/40

Arrange Numbers In Array ● 40.0/40

More About Data types

Non Primitives ● 10.0/10

Primitives With Functions

Predict The Output ● 10.0/10

Arrays With Functions-1

Predict The Output ● 10.0/10

Predict The Output ● 10.0/10

Arrays With Functions-2

Predict The Output ● 10.0/10

Length Of Array

Send Feedback

Which of the options can be used to get the size of an array?

*arr is the array.

Options

- ☐ arr.size
- ☒ arr.length ✓
- ☐ lengthof(arr)
- ☐ None of these

Correct Answer





Arrays: Part 1

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- More About Data types
- Non Primitives 10.0/10
- Primitives With Functions
- Predict The Output 10.0/10
- Arrays With Functions-1
- Predict The Output 10.0/10
- Predict The Output 10.0/10
- Arrays With Functions-2
- Predict The Output 10.0/10
- Predict The Output 10.0/10
- Print All Pairs
- Swap Alternate 40.0/40
- Arrays
- Another way to take input: Buffered...

Non Primitives

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Which among the following are non-primitive datatypes?

Options

☒ Array ✓

☐ int

☐ char

☒ Scanner ✓

Correct Answer



Arrays: Part 1

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Primitives With Functions



Predict The Output ●

10.0/10



Arrays With Functions-1



Predict The Output ●

10.0/10



Predict The Output ●

10.0/10



Arrays With Functions-2



Predict The Output ●

10.0/10



Predict The Output ●

10.0/10



Print All Pairs



Swap Alternate ●

40.0/40



Arrays



Another way to take input Buffered...

Assignment

100.0%

Score: 360.00/360

Predict The Output

[Send Feedback](#)

What will be the output of the following code?

```
public static int sum(int [] arr)
{
    int arrsum=0;
    for(int i=0;i<5;i++)
        arrsum+=arr[i];
    return arrsum;
}

public static void main (String[] args) {
    int arr[]={1,2,3,4,5,6,7,8};
    System.out.print(sum(arr));
}
```

Options

☐ 36☒ 15 ✓☐ 21☐ 10

Correct Answer





Arrays: Part 1

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- Predict The Output
- Arrays With Functions-1
- Predict The Output ● 10.0/10
- Predict The Output ● 10.0/10
- Arrays With Functions-2
- Predict The Output ● 10.0/10
- Predict The Output ● 10.0/10
- Print All Pairs
- Swap Alternate ● 40.0/40
- Arrays
- Another way to take input: Buffered...

Assignment

100.0%

Score 360.00/360

- Find Unique ● 40.0/40
- Find Duplicate ● 40.0/40
- Array Intersection ● 40.0/40

Predict The Output

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What will be the output of the following code?

```
public static void mul(int [] arr)
{
    for(int i=0;i<5;i++)
        arr[i]*=i;
}

public static void main (String[] args) {
    int arr[]={1,2,3,4,5};
    mul(arr);
    for(int i=0;i<5;i++)
    {
        System.out.print(arr[i]);
    }
}
```

Options

- ☐ 12345
- ☐ 1491625
- ☐ 16122030
- ☒ 0261220 ✓

Correct Answer



Arrays: Part 1

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- Predict The Output 10.0/10
- Predict The Output 10.0/10
- Arrays With Functions-2
- Predict The Output 10.0/10
- Predict The Output 10.0/10
- Print All Pairs
- Swap Alternate 40.0/40
- Arrays
- Another way to take input: Buffered...

Assignment

100.0%

Score 360.00/360

- Find Unique 40.0/40
- Find Duplicate 40.0/40
- Array Intersection 40.0/40
- Pair Sum 80.0/80

Predict The Output

[Send Feedback](#)

What will be the output of the following code ?

```
public class Main {  
    public static void change(int input[]){  
        input[0] = 15;  
    }  
  
    public static void main(String args[]){  
        int arr[] = new int[5];  
        change(arr);  
        System.out.println(arr[0]);  
    }  
}
```

Options

☒ 15 ✓☐ 0☐ Error

Correct Answer

Solution Description

"arr" is a reference to the array, which contains address of the array. Hence we have passed this address to function "change". Thus arr and input both refer to the same array. Hence the statement input[0] = 15 changes the value of element at index 0 of the array to 15.



Arrays: Part 1

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- Predict The Output
- Arrays With Functions-2
- Predict The Output ● 10.0/10
- Predict The Output ● 10.0/10
- Print All Pairs
- Swap Alternate ● 40.0/40
- Arrays
- Another way to take input: Buffered...

Assignment

 100.0%

Score 360.00/360

- Find Unique ● 40.0/40
- Find Duplicate ● 40.0/40
- Array Intersection ● 40.0/40
- Pair Sum ● 80.0/80
- Triplet Sum ● 80.0/80
- Sort 0 1 ● 80.0/80

Predict The Output

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What will be the output of the following code ?

```
public class Main {  
    public static void change(int input[]){  
        input = new int[5];  
        input[0] = 15;  
    }  
  
    public static void main(String args[]){  
        int arr[] = new int[5];  
        change(arr);  
        System.out.println(arr[0]);  
    }  
}
```

Options

☐ 15☒ 0 ✓☐ Error

Correct Answer

Solution Description

"arr" is a reference to the array, which contains address of the array. Hence we have passed this address to function "change". So input and arr will refer to same array initially, but in the first statement in function "change" input is made to refer to new integer array. So input[0] = 15, will change the first element of this newly formed array and the array created in main will remain unchanged.



< PREVIOUS

> NEXT

SUBMIT



Arrays: Part 1

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Arrays With Functions-2



Predict The Output ●

10.0/10



Predict The Output ●

10.0/10



Print All Pairs



Swap Alternate ●

40.0/40



Arrays



Another way to take input: Buffered...

Assignment

100.0%

Score 360.00/360



Find Unique ●

40.0/40



Find Duplicate ●

40.0/40



Array Intersection ●

40.0/40



Pair Sum ●

80.0/80



Triplet Sum ●

80.0/80



Sort 0 1 ●

80.0/80

Predict The Output

[Send Feedback](#)

What will be the output of the following code?

```
public static int[] change(int input[]){
    input = new int[5];
    input[0] = 15;
    return input;
}
```

```
public static void main(String args[]){
    int arr[] = new int[5];
    arr=change(arr);
    System.out.println(arr[0]);
}
```

Options

☐ 0☒ 15 ✓☐ error

Correct Answer