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> Week 3: Arrays [EY] > Kuis Mingguan 3: Arrays

**Started on** Wednesday, 14 February 2024, 10:26 PM

**State** Finished

**Completed on** Wednesday, 14 February 2024, 10:51 PM

**Time taken** 24 mins 57 secs

**Marks** 11.00/12.00

**Grade** 91.67 out of 100.00

### Question 1

Correct

Mark 1.00 out of 1.00

Manakah yang benar tentang array?

Select one:

- ☐ a. Array pada Java bersifat immutable
- ☐ b. Untuk mengakses array arr pada indeks i, dapat menggunakan notasi arr{i}
- ☐ c. Indeks pada array dimulai dari 1
- ☒ d. Array pada Java bersifat mutable ✓
- ☐ e. Jumlah elemen yang dapat dimuat pada suatu array bersifat dinamis (tidak fixed)

Your answer is correct.

The correct answer is: Array pada Java bersifat mutable



## Question 2

Incorrect

Mark 0.00 out of 1.00

Perhatikan program berikut!

```
public class MyClass {  
    public static void main(String args[]) {  
        Scanner in = new Scanner(System.in);  
  
        String word = in.nextLine();  
        char[] wordArray = word.__(1)__;  
        boolean isPolindrome = true;  
  
        for (int i = 0; i < wordArray.__(2)__; i++){  
            if (wordArray[i] != wordArray[__(3)__]){  
                isPolindrome = false;  
            }  
        }  
  
        if (isPolindrome){  
            System.out.println(word + " is polindrome");  
        }else{  
            System.out.println(word + " is not polindrome");  
        }  
  
        in.close();  
    }  
}
```

Potongan code yang paling tepat untuk mengisi (3) adalah

Select one:

- ☐ a. wordArray.length - (i - 1)
- ☐ b. wordArray.length - (i + 1)
- ☐ c. wordArray.length
- ☒ d. wordArray.length - i ❌

Your answer is incorrect.

The correct answer is: wordArray.length - (i + 1)



### Question 3

Correct

Mark 1.00 out of 1.00

Perhatikan program berikut!

```
public class MyClass {  
    public static void main(String args[]) {  
        Scanner in = new Scanner(System.in);  
  
        String word = in.nextLine();  
        char[] wordArray = word.__(1)__;  
        boolean isPolindrome = true;  
  
        for (int i = 0; i < wordArray.__(2)__; i++){  
            if (wordArray[i] != wordArray[__(3)]){  
                isPolindrome = false;  
            }  
        }  
  
        if (isPolindrome){  
            System.out.println(word + " is polindrome");  
        }else{  
            System.out.println(word + " is not polindrome");  
        }  
  
        in.close();  
    }  
}
```

Potongan code yang paling tepat untuk mengisi (1) adalah

Select one:

- ☒ a. toCharArray() ✓
- ☐ b. toArray()
- ☐ c. toArray
- ☐ d. toCharArray

Your answer is correct.

The correct answer is: toCharArray()



**Question 4**

Correct

Mark 1.00 out of 1.00

Method berikut dimaksudkan untuk mencari rata-rata elemen pada array 2D. Jika terdapat bug, manakah baris kode yang mengandung bug?

```
1 public static double f(double[][] arrOfArrs) {  
2     int ttl = 0;  
3     int cnt = -5;  
4     for(double[] arr:arrOfArrs) {  
5         for(int i=1; i<arr.length; i++) {  
6             ttl += arr[i];  
7             cnt += (int) 1.5;  
8         }  
9     }  
10    return (double) ttl/(cnt+5);  
11 }
```

Select one:

- ☐ a. Baris 4
- ☐ b. Baris 7
- ☐ c. Baris 3
- ☒ d. Baris 5 ✓
- ☐ e. Tidak terdapat bug

Your answer is correct.

The correct answer is: Baris 5



**Question 5**

Correct

Mark 1.00 out of 1.00

```
int[] arr1 = new int[3];  
int[] arr2 = new int[3];  
System.out.println(arr1 == arr2);
```

Apa hasil dari potongan kode program berikut?

Select one:

- ☐ a. Runtime error
- ☐ b. true
- ☒ c. false ✓
- ☐ d. Compilation error

Your answer is correct.

The correct answer is: false

**Question 6**

Correct

Mark 1.00 out of 1.00

Apa syntax untuk mendeklarasikan dan menginisialisasi sebuah array dalam bahasa pemrograman Java?

Select one:

- ☐ a. int[3] myArray = {1, 2, 3};
- ☒ b. int[] myArray = {1, 2, 3}; ✓
- ☐ c. int myArray[] = {1, 2, 3};
- ☐ d. int myArray = [1, 2, 3];

Your answer is correct.

The correct answer is: int[] myArray = {1, 2, 3};



**Question 7**

Correct

Mark 1.00 out of 1.00

Diberikan 2 array berisi integer sebagai berikut

int[] arrA = {1,2,3,4,5,6};

int[] arrB = {2,5,10,17,26,37};

Program manakah yang dapat mengubah isi array arrA menjadi sama seperti arrB?

Select one:

- ☐ a. 

```
for(int i = 1; i<arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i] + 1;  
}
```
- ☐ b. 

```
for(int i = 0; i<=arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i] + 1;  
}
```
- ☐ c. 

```
for(int i = 1; i<arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i];  
}
```
- ☐ d. 

```
for(int i = 0; i<arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i];  
}
```
- ☒ e. 

```
for(int i = 0; i<arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i] + 1; ✓  
}
```

Your answer is correct.

The correct answer is: 

```
for(int i = 0; i<arrA.length; i++){  
    arrA[i] = arrA[i] * arrA[i] + 1;  
}
```



**Question 8**

Correct

Mark 1.00 out of 1.00

Dari keempat potongan kode berikut, manakah yang dapat menyebabkan error ketika program di-compile.

Select one:

- ☒ a. `String[] myArray;`  
`myArray = {"hai", "mahasiswa", "kelas DDP 2 E", ":",D"};`  
`System.out.println(myArray);` ✓
- ☐ b. `String[] myArray = {"hai", "mahasiswa", "kelas DDP 2 E", ":",D"};`  
`System.out.println(myArray);`
- ☐ c. `String[] myArray = new String[]{"hai", "mahasiswa", "kelas DDP 2 E", ":",D"};`  
`System.out.println(myArray);`
- ☐ d. `String[] myArray;`  
`myArray = new String[]{"hai", "mahasiswa", "kelas DDP 2 E", ":",D"};`  
`System.out.println(myArray);`

Your answer is correct.

The correct answer is: `String[] myArray;`

`myArray = {"hai", "mahasiswa", "kelas DDP 2 E", ":",D"};`

`System.out.println(myArray);`



## Question 9

Correct

Mark 1.00 out of 1.00

Perhatikan program berikut!

```
public class MyClass {  
    public static void main(String args[]) {  
        Scanner in = new Scanner(System.in);  
  
        String word = in.nextLine();  
        char[] wordArray = word.__(1)__;  
        boolean isPolindrome = true;  
  
        for (int i = 0; i < wordArray.__(2)__; i++){  
            if (wordArray[i] != wordArray[__(3)]){  
                isPolindrome = false;  
            }  
        }  
  
        if (isPolindrome){  
            System.out.println(word + " is polindrome");  
        }else{  
            System.out.println(word + " is not polindrome");  
        }  
  
        in.close();  
    }  
}
```

Potongan code yang paling tepat untuk mengisi (2) adalah

Select one:

- ☐ a. size()
- ☐ b. range
- ☒ c. length ✓
- ☐ d. large()

Your answer is correct.

The correct answer is: length





**Question 10**

Correct

Mark 1.00 out of 1.00

Apakah output dari program di bawah ini?

```
public class Arr01{  
    public static void main(String[] args){  
        int[] a = {1,2,3};  
        int[] b = new int[3];  
        int[] c = new int[3];  
        c[0] = b[0];  
        c[2] = 30;  
        b[1] = 20;  
        b = a;  
        a[0] = 10;  
        System.out.print(Arrays.toString(a));  
        System.out.print(Arrays.toString(b));  
        System.out.print(Arrays.toString(c));  
    }  
}
```

Select one:

- ☒ a. [10, 2, 3][10, 2, 3][0, 0, 30] ✓
- ☐ b. [1, 2, 3][1, 2, 3][0, 0, 30]
- ☐ c. [1, 2, 3][1, 20, 3][0, 0, 30]
- ☐ d. [10, 2, 3][10, 2, 3][10, 2, 3]
- ☐ e. [10, 2, 3][0, 20, 0][0, 0, 30]

Your answer is correct.

The correct answer is: [10, 2, 3][10, 2, 3][0, 0, 30]



**Question 11**

Correct

Mark 1.00 out of 1.00

Manakah inisialisasi array berikut yang salah?

Select one:

- ☐ a. `int[] d = {1, 2, 3};`
- ☐ b. `char[][] c = new char[][]{{'a','2'.charAt(0)}};`
- ☒ c. Tidak ada jawaban yang benar ✓
- ☐ d. `Object[] a = new Object[]{1,"2",'3'};`
- ☐ e. `int[][] b = new int[2][3];`

Your answer is correct.

The correct answer is: Tidak ada jawaban yang benar

**Question 12**

Correct

Mark 1.00 out of 1.00

Apakah output dari program di bawah ini?

```
int[][] arrA = {{2,5,1},{1,2,0},{0,1,5}};  
int[] arrB = new int[9];  
int c = 0;
```

```
for(int j=0; j<3; j++){  
    for(int h=0; h<3; h++){  
        arrB[c] = arrA[j][h];  
        c++;  
    }  
}
```

```
for(int i=0; i<9; i++){  
    System.out.print(arrB[i]);  
}
```

Answer: 251120015



The correct answer is: 251120015

