

1. What do you mean by an array

Ans - An array is a collection of elements of the same type placed in contiguous memory locations that can be individually referenced by using an index to a unique identifier.

2. how to create an array

Ans - There are two ways you can declare and initialize an array in Java. The first is with the new keyword, where you have to initialize the values one by one. The second is by putting the values in curly braces.

3. can you change the size of an array

Ans - You can't change the size of the array after it's constructed.

4. can you declare an array without assigning the size of an array

Ans - Yes. We can declare an array without size but before using it needs to be initialized

5. what is default value of array

Ans - the case of a Boolean array, it will be false, in the case of a String array the default value is null in java, and in the case of a char array, the default value is Unicode (\u0000).

6. what is 1d array with an example

Ans - A One-Dimensional Array in Java programming is a special type of variable that can store multiple values of only a single data type such as int, float, double, char, etc. at a contiguous location in computer memory.

e.g., `int a [] = new int [5];`