**How can you iterate over an array in java?**

You can iterate over an array using a for loop or a for each loop.

Example: Using for loop

**package** package1;

**public** **class** ArraysExample {

**public** **static** **void** main(String[] args) {

String arr1[] = {"subbu", "selenium", "tutorials"};

**for** (**int** i=0; i<arr1.length; i++) {

System.***out***.println(arr1[i]);

}

}

}

Example: Using for each loop

**package** package1;

**public** **class** ArraysExample {

**public** **static** **void** main(String[] args) {

String arr1[] = {"subbu", "selenium", "tutorials"};

**for** (String item : arr1) {

System.***out***.println(item);

}

}

}

**How to sort elements in an array?**

Array elements can be sorted using Arrays.sort() method.

**package** package1;

**import** java.util.Arrays;

**public** **class** ArraysExample {

**public** **static** **void** main(String[] args) {

String arr1[] = {"subbu", "selenium", "java", "tutorials"};

Arrays.*sort*(arr1);

**for** (**int** i=0; i<arr1.length; i++) {

System.***out***.println(arr1[i]);

}

**int** arr2[] = {5,3,6,4,8,7,2,1,10,9};

Arrays.*sort*(arr2);

System.***out***.println(Arrays.*toString*(arr2));

}

}

Result:

[java, selenium, subbu, tutorials]

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

**How to search an array to check if an element exists there?**

You can search for an element using a for loop. You can also sort the array first and then use Arrays.binarySearch() method to check for the element.

**Using For loop:**

**package** package1;

**import** java.util.Arrays;

**public** **class** ArraysExample {

**public** **static** **void** main(String[] args) {

String arr1[] = {"subbu", "java", "selenium", "tutorials"};

String str\_to\_check = "Subbu";

**boolean** check = **false**;

**for**(**int** i=0; i<arr1.length; i++) {

**if**(arr1[i].equalsIgnoreCase(str\_to\_check)) {

check = **true**;

**break**;

}

}

**if**(check) {

System.***out***.println(str\_to\_check+" is found in the array");

}

**else** {

System.***out***.println(str\_to\_check+" is not found in the array");

}

}

}

**Using Arrays.binarySearch() method:**

**package** package1;

**import** java.util.Arrays;

**public** **class** ArraysExample {

**public** **static** **void** main(String[] args) {

String arr1[] = {"subbu", "java", "selenium", "tutorials"};

Arrays.*sort*(arr1);

System.***out***.println(Arrays.*binarySearch*(arr1,"subbu"));

}

}

You can also convert the arrays to List or Set and use contains() method to check for the element.