**What is difference between length and length() method in java ?**

length() : In String class we have length() method which is used to return the number of characters in string. Ex : String str = “Hello World”; System.out.println(str.length()); Str.length() will return 11 characters including space.

length : we have length instance variable in arrays which will return the number of values or objects in array. For example : String days[]={” Sun”,”Mon”,”wed”,”thu”,”fri”,”sat”}; Will return 6 since the number of values in days array is 6.

**Can you change the size of an array once you created?**

No. You can’t change it.

**How to access array elements in java?**

Using index and index starts from 0.

**Where does array stored in memory?**

Array is created in heap space of JVM memory. Since array is object in Java, even if you create array locally inside a method or block, object is always allocated memory from heap.

**Can you store a string into an array of integer in java?**

No. You will get a compile time error.

**package** package1;

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

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

**int** arr1[] = **new** **int**[10];

arr1[0] = **new** Integer(9);

arr1[1] = "subbu"; //Error: Can not convert from string to int

}

}

**What is ArrayIndexOutOfBounds Exception?**

ArrayIndexOutOfBounds exception comes when your code tries to access an invalid index from a given array.

In the following example an array with length of 3 is created but trying to retrieve a value from 4th index. So it throws this exception.

**package** package1;

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

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

**int**[] arr1 = {1,2,3};

System.***out***.println(arr1[4]);

}

}

Result: Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 4

at package1.ArraysExample.main(ArraysExample.java:9)

**What is ArrayStoreException?**

ArrayStoreException comes when you have stored an element of type other than the type of array.

Example:

**package** package1;

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

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

Object[] arrobj = **new** String[3];

arrobj[0] = **new** Integer(3);

}

}

Result: Exception in thread "main" java.lang.ArrayStoreException: java.lang.Integer

at package1.ArraysExample.main(ArraysExample.java:9)

**What is a two dimensional array in java?**

Its an array of array in java. You can declare a two dimensional array with three rows and three columns as

int[][] primes = new int[3][3]