**JAVA String Exercise**

Link http://www.java-examples.com/java-string-examples

1. WAP to reverse a string “Selenium WebDriver” using for loop.

O/P should be like: **revirDbeW muineleS**

**Solution:**

System.*out*.print("Reverse of String 'Automation test Hub': ");

String str1 = "Selenium WebDriver";

**char** letter;

**int** strlength = str1.length();

**for**(**int** i=strlength-1 ;i>=0;i--){

letter = str1.charAt(i);

System.*out*.print(letter);

}

2. WAP to replace all ‘t’ with ‘T’ in String: Automation testing .

**Solution:**

String str = "Automation testing ";

String newstr = str.replace("t", "T");

1. WAP to count total number of ‘t’ in String “Automation testing” without using string function.

String s = "AutomationtestHub";

//int ttl = 0;

**int** counter = 0;

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

{

**if**( s.charAt(i) == 't' ) {

counter++;

} }

System.*out*.println(counter);

1. Show two ways to concatenate the following two strings together to get the string "Hi, mom.":

**Solution:**

String hi = "Hi, ";

String mom = "mom.";

**Answer:** hi.concat(mom) and hi + mom.

1. Write a Java program to sum values of an array.

public class Exercise2 {

public static void main(String[] args) {

int my\_array[] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};

int sum = 0;

for (int i : my\_array)

sum += i;

System.out.println("The sum is " + sum);

}

}

6. Write a Java program to reverse an array of integer values.

Original Array: 1789, 2035, 1899, 1456, 2013,

1458, 2458, 1254, 1472, 2365,

1456, 2165, 1457, 2456

O/P should be: 2456, 1457, 2165, 1456, 2365, 1472, 1254, 2458, 1458, 2013, 1456, 1899, 2035, 1789

**Solution:**

int[] my\_array1 = {

1789, 2035, 1899, 1456, 2013,

1458, 2458, 1254, 1472, 2365,

1456, 2165, 1457, 2456};

System.out.println("Original array : "+Arrays.toString(my\_array1));

for(int i = 0; i < my\_array1.length / 2; i++)

{

int temp = my\_array1[i];

my\_array1[i] = my\_array1[my\_array1.length - i - 1];

my\_array1[my\_array1.length - i - 1] = temp;

}

System.out.println("Reverse array : "+Arrays.toString(my\_array1));

7. find the index of an array element 56 from this an array - 25, 14, 56, 15, 36, 56, 77, 18, 29, 49

public static int findIndex (int[] my\_array, int t) {

if (my\_array == null) return -1;

int len = my\_array.length;

int i = 0;

while (i < len) {

if (my\_array[i] == t) return i;

else i=i+1;

}

return -1;

}

public static void main(String[] args) {

int[] my\_array = {25, 14, 56, 15, 36, 56, 77, 18, 29, 49};

System.out.println("Index position of 25 is: " + findIndex(my\_array, 25));

System.out.println("Index position of 77 is: " + findIndex(my\_array, 77));

}

8. Pattern programs:

1

23

456

78910

**int** num=1;

**for**(**int** i=1;i<=numrows;i++){

**for**(**int** j=1;j<=numrows;j++){

System.*out*.print(num);

num++;

}

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

}

9.

1000

0100

0010

0001

**for**(**int** i=1;i<=numrows;i++){

**for**(**int** j=1;j<=numrows;j++){

**if**(i==j){

System.*out*.print("1");

}**else**{

System.*out*.print("0");

}

}

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

}

10.

1234

5678

9101112

13141516

**int** num=1;

**for**(**int** i=1;i<=numrows;i++){

**for**(**int** j=1;j<=numrows;j++){

System.*out*.print(num);

num++;

}

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

}