**1. Write your own version of arraycopy for int arrays.**

Public class Activity 1 {

public static void main(String[] args) {

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

int [] positiveNumbers = numbers; // copying arrays

for (int number: positiveNumbers) {

System.out.print(number + ", ");

}

}

}

**2. Write a Java program to print the following grid using array.**

This will be the output.

package Activity2;

public class Activity2 {

public static void main(String[] args) {

int [][]a = new int[10][10];

for(int i = 0; i < 10; i++)

{

for(int j = 0; j < 10; j++)

{

System.out.printf("%2d ", a[i][j]);

}

System.out.println();

}

}

}

**3. Write a Java program to calculate the average value of array elements.**

package Activity3;

public class Activity3 {

public static void main(String[] args) {

int[] numbers = new int[]{20, 30, 25, 35, -16, 60, -100};

//calculate sum of all array elements

int sum = 0;

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

sum = sum + numbers[i];

//calculate average value

double average = sum / numbers.length;

System.out.println("Average value of the array elements is : " + average);

}

}

**4. Write a Java program to read a string and return true if it ends with a specified string of length 2.**

package activity4;

import java.util.\*;

public class activity4 {

public boolean endsNg(String str)

{

int len = str.length();

String ng = "ng";

if (len < 2)

return false;

else if (ng.equals(str.substring(len-2,len)))

return true;

else

return false;

}

public static void main (String[] args)

{

activity4 m= new activity4();

String str1 = "string";

System.out.println("The given strings is: "+str1);

System.out.println("The string containing ng at last: "+m.endsNg(str1));

}

}

**5. Write a Java program to remove duplicate characters from a given string presents**

**in another given string.**

package Activity5;

import java.util.\*;

public class Activity5 {

public static void main(String[] args) {

String str1 = "the quick brown fox";

String str2 = "queen";

System.out.println("The given string is: " + str1);

System.out.println("The given mask string is: " + str2);

char arr[] = new char[str1.length()];

char[] mask = new char[256];

for (int i = 0; i < str2.length(); i++)

mask[str2.charAt(i)]++;

System.out.println("\nThe new string is: ");

for (int i = 0; i < str1.length(); i++) {

if (mask[str1.charAt(i)] == 0)

System.out.print(str1.charAt(i));

}

}

}

**6. Write a Java program to check if a file or directory specified by path name exists or not.**

package Activity6;

import java.io.File;

public class Activity6 {

public static void main(String[] args) {

// Create a File object

File my\_file\_dir = new File("/home/students/xyz.txt");

if (my\_file\_dir.exists())

{

System.out.println("The directory or file exists.\n");

}

else

{

System.out.println("The directory or file does not exist.\n");

}

}

}

**7. Write a Java program to get a list of all file/directory names from the given.**

package Activity7;

import java.io.File;

import java.util.Date;

public class Activity7 {

public static void main(String[] args)

{

File file = new File("/home/students/");

String[] fileList = file.list();

for(String name:fileList){

System.out.println(name);

}

}

}