**Problem Statement**

**Note:** consider this string line for below assignment problems.

1. String line=”Hadoop is open source frame work ,Hadoop is good framework for handling big data”;
2. Class a sample class with name String\_demo and inside the main method perform the following operation
   1. Split the line by space and store in a new string array
   2. Count number of occurrence of word Hadoop in the given string
   3. Replace the ‘,’with space in the given string
   4. Create a array list with generic string and store the spitted string inside it.

**Program:**

**import java.util.regex.Matcher;**

**import java.util.regex.Pattern;**

**import java.util.\*;**

**public class Word {**

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

**// TODO Auto-generated method stub**

**String line =**

**"Hadoop is open source frame work,Hadoop"**

**+ " is good framework for handling big data;";**

**// Split the line by Spaces and store in array String;**

**String[] array = line.split(" ");**

**System.out.println("1. Split the line by Spaces and store in new array\n");**

**//Count number of occurences of word Hadoop**

**int count=0;**

**Pattern P= Pattern.compile("Hadoop");**

**Matcher m=P.matcher(line);**

**while(m.find()){**

**count++;**

**}**

**System.out.println("2. Occurrence of Haddop :" + count + " times.\n");**

**// Replace the ',' with space**

**System.out.println("3. Replace , with spaces : \n" + line.replace(' ', ','));**

**System.out.println("\n4. ArrayList\n");**

**ArrayList<String> arr = new ArrayList<String>(Arrays.asList(array));**

**for(String str:arr){**

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

**}**

**System.out.println("\*\*\*\*\*\*\*\*\*\*End of ArrayList\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");**

**}**

**}**

**Output:**

1. Split the line by Spaces and store in new array

2. Occurrence of Haddop :2 times.

3. Replace , with spaces :

Hadoop,is,open,source,frame,work,Hadoop,is,good,framework,for,handling,big,data;

4. ArrayList

Hadoop

is

open

source

frame

work,Hadoop

is

good

framework

for

handling

big

data;

\*\*\*\*\*\*\*\*\*\*End of ArrayList\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*