1)Write a program to replace a substring inside a string with other string ?

Ans:

```
    package com.company;

public class replacestring {
        public static void main(String[] args) {
        String s1="hello";
        String s2=s1.replace("el","world");
        System.out.println("string after replacing substring "+s2);
        }
}
```

```
string after replacing substring hworldlo

Process finished with exit code 0
```

2)Write a program to find the number of occurrences of the duplicate words in a string and print them ?

ANS:

```
     package com.company;

import java.util.Scanner;

public class duplicate_words {
        public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("\nEnter the String");
        String inStr = sc.nextLine();
        inStr = inStr.toLowerCase();
        String words[] = inStr.split("");

        for (int i = 0; i < words.length; i++){
        int count = 1;
        for (int j = i+1; j < words.length; j++){
                if(words[i].equals(words[j])){
                count ++;
                words[j]= "NULL";
                }
        }
```

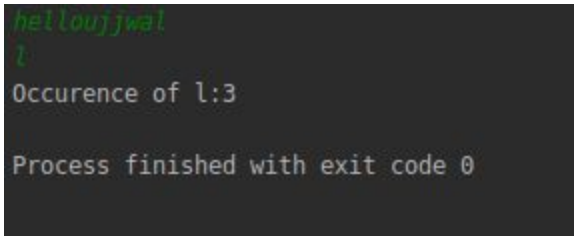
```
        if(count > 1 && words[i] != "NULL"){
                System.out.println(words[i] + " : " + count);
        }
        }
        }
}
```

```
Enter the String
hellojjwal
l : 3
j : 2
```

3)Write a program to find the number of occurrences of a character in a string without using loop?

ANS:

```
package com.company;

import java.util.Scanner;

public class Q3_occurence {

        public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String inpstr1 = new String();
        inpstr1 = sc.nextLine();

        String inpstr2 = new String();
        inpstr2 = sc.nextLine();

        int count = inpstr1.length() - inpstr1.replace(inpstr2,"").length();

        System.out.println("Occurence of " + inpstr2 + ":" + count);


        }
}
```



4)Calculate the number & Percentage Of Lowercase Letters,Uppercase Letters, Digits And Other Special Characters In A String?

```
package com.company;

import java.util.Scanner;

public class numberper {
	public static void main(String[] args) {

	int uppercase=0,lowercase=0,digit=0,spcl=0;
	Scanner sc = new Scanner(System.in);
	System.out.println("\nEnter the string");
	String inpstr = sc.nextLine();
	int total = inpstr.length();

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

	Character ch = inpstr.charAt(i);

	if(Character.isUpperCase(ch)){
		uppercase++;
	}
	else if (Character.isLowerCase(ch)){
		lowercase++;

	}
	else if(Character.isDigit(ch)) {
		digit++;
	}
	else {
		spcl++;
	}
```

```
        }

        double uppper= (uppercase*100.0)/total;
        System.out.println("UpperCase Percentage : " + uppper);
        double lowper= (lowercase*100.0)/total;
        System.out.println("LowerCase Percentage : " + lowper);
        double dgtper= (digit*100.0)/total;
        System.out.println("Digit Percentage : " + dgtper);
        double spclper= (spcl*100.0)/total;
        System.out.println("SpecialCharacter Percentage : " + spclper);


        }

}
```

```
Enter the string
Ujj123w@1U
UpperCase Percentage : 20.0
LowerCase Percentage : 30.0
Digit Percentage : 40.0
SpecialCharacter Percentage : 10.0
```

5)

```
package com.company;

import java.util.Scanner;

public class commonelemarray {
        public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        System.out.println("\nEnter the size of array");
        int n =sc.nextInt();

        System.out.println("enter the element in second array");
        int arr[] = new int[n];
```

```
        for(int i= 0; i< n; i++){

        arr[i]=sc.nextInt();

        }
        System.out.println("\nEnter the size of second array");
        int n1 = sc.nextInt();

        System.out.println("enter the element in second array");
        int arr1[] = new int[n1];
        for(int j = 0; j < n1; j++){
        arr1[j] = sc.nextInt();
        }

        for(int i = 0; i < arr.length ; i++){
        for(int j = 0; j < arr1.length; j++){
                if(arr[i]==arr1[j]){
                System.out.println(arr[i]);
                }
        }
        }
        }
}
```

7)

```
package com.company;

public class allstatic {

        static String fname = "ujjwal";
        static String lastname = "kumar";
        static int age = 22;

        static {
        System.out.println("we are in static block");
        System.out.println("firstName = Ujjwal lastName = kumar Age = 22 ");
        }

        public static void PrintName(String fname, String lastname, int age){
        System.out.println("we are in static method");
        System.out.println("Name: " + fname + " lastName: " + lastname + " Age: " + age);
```

```
        }

        public static void main(String[] args) {
        PrintName("Ujjwal", "Kumar",22);

        System.out.println("we are using static variable");
        System.out.println("Name: " + fname + " lastName: " + lastname + " Age: " + age);
        }



}
```

8)

```
package com.company;

import java.util.Scanner;

public class bufferprgm {
        public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        StringBuffer inpstr = new StringBuffer();
        inpstr.append(sc.nextLine());
        inpstr.reverse();
        System.out.println("Reverse String : " + inpstr);
        inpstr.delete(4,6);
        System.out.println("New String : " + inpstr);
        }
}
```