OBJECT ORIENTED PROGRAMMING LAB

**Name: RITTYMARIYA K R**

**Roll No: 28 Batch: MCA B Date: 18/05/2022**

# Experiment No.: 8

**Aim**

Perform string manipulations.

# Procedure

import java.util.\*;

class stringMenu {

String sentance;

public void read(){

Scanner sc = new Scanner(System.in);

sentance = sc.nextLine();

}

public void count(){

String sentannce = this.sentance;

String[] arrOfStr = sentannce.split(" ");

Set<String> set = new HashSet<>(Arrays.asList(arrOfStr));

for(String each:set){

int count=0;

for(String eacha:arrOfStr){

if((each.compareTo(eacha)) == 0){

count++;

}

}

System.out.println(each+" : "+ count);

}

}

public void replace(){

Scanner sc = new Scanner(System.in);

System.out.print("Enter the word that need to replace : ");

String word = sc.nextLine();

System.out.print("Enter the word that need to place : ");

String rword = sc.nextLine();

String sentannce = this.sentance;

String sent="";

String[] arrOfStr = sentannce.split(" ");

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

if((arrOfStr[i].compareTo(word))==0){

arrOfStr[i] = rword;

}

sent = sent + arrOfStr[i] + " ";

}

this.sentance = sent;

}

public void reverse(){

String sentannce = this.sentance;

String sent="";

String temp;

String[] arrOfStr = sentannce.split(" ");

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

temp="";

String[] temparray = arrOfStr[i].split("");

for(int j=arrOfStr[i].length()-1;j>=0;j--){

temp = temp + temparray[j];

}

sent = sent + temp + " ";

}

this.sentance = sent;

}

public String dis(){

return sentance;

}

public static void main(String[] args) {

int opt;

stringMenu Obj = new stringMenu();

while(true){

Scanner sc = new Scanner(System.in);

System.out.println("1) Enter Sentence");

System.out.println("2) Display Sentence");

System.out.println("3) Count of each word");

System.out.println("4) Replace word");

System.out.println("5) Reverse each word ");

System.out.print("Option :: ");

opt = Integer.parseInt(sc.nextLine());

switch(opt){

case 1:

System.out.print("Enter the sentance : ");

Obj.read();

break;

case 2:

System.out.println("Sentance : "+Obj.dis());

break;

case 3:

System.out.println("Counts");

Obj.count();

break;

case 4:

System.out.println("Replace words");

Obj.replace();

break;

case 5:

System.out.println("Reverse each word");

Obj.reverse();

break;

default:

System.out.println("try another menu!");

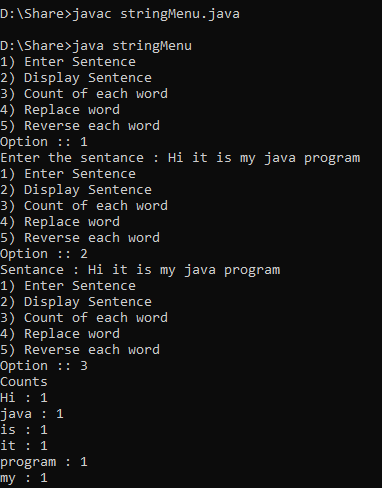
}

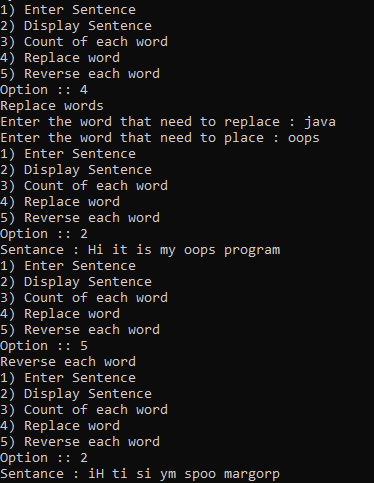
}

}

}

**OUTPUT**

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