Write the Java programs for solving the given prolems :

1. Replace a given character with another.
Given string : "santosh" Output : "kantokh"

```java
public class Prog1 {
        public static void main(String args[]) {

                String Str = new String("santosh");

                System.out.println("Given String is "+Str );
                System.out.println("Output String is:" );
                System.out.println(Str=Str.replace('s', 'k'));
        }
}
```

///

2. Replace a word in a given string with a given word :
Given string : "Santosh is a good boy" Output : "Santosh is a good Teacher"

```java
class Replace {
        public static void main(String args[]){
                String s1="Santosh is a good boy";
                String replaceString=s1.replaceAll("boy","teacher");
                System.out.println(replaceString);
        }
}
```

///

3. Insert a given string within an existing string :
Given : "Santosh is a good Teacher"
Output : "Santosh is a very good Teacher"

```java
import java.lang.*;

class Demo {
        public static String insertString(String originalString, String stringToBeInserted,int index)
{
                String newString = new String();

                for (int i = 0; i < originalString.length(); i++) {
                        newString += originalString.charAt(i);
```

```java
            if (i == index) {

                newString += stringToBeInserted;
                }
            }
            return newString;
        }

        public static void main(String[] args) {
            String originalString = "Santosh is a good Teacher";
            String stringToBeInserted = "very ";
            int index = 12;

            System.out.println("Original String: " + originalString);
            System.out.println("String to be inserted: "+ stringToBeInserted);
            System.out.println("String to be inserted at index: "+ index);
            System.out.println("Modified String: "+ insertString(originalString,

            stringToBeInserted, index));
        }
}
```

///

4. Given set of words, convert it into a sentence, that ends with a period.
Given : "Santosh", "is", "a", "good", "Teacher"
Output : "Santosh is a good Teacher."

```java
class Split {
        public static void main(String[] args) {
            String str1 = "santhosh will vote on 18th april 2019";
            for (String word : str1.split(" ")) {
                    System.out.println(word);
            }
            System.out.println(str1+".");
        }
}
```

//

5. Given a set of words, sort them in lexicographical order:.
Given : "Santosh", "Suraj", "Sudhanva", Shreedhar", "Sushma", "Smita".
Output : "Santosh", "Shreedhar", "Smita", "Sudhanva", "Suraj", "Sushma"

```java
public class Check {
        public static void main(String[] args) {
                String[] words = { "santosh", "suraj", "sudhanva","shreedhar", "sushma","smita"};

                for(int i = 0; i < 6; ++i) {
                        for (int j = i + 1; j < 6; ++j) {
                                if (words[i].compareTo(words[j]) > 0) {
                                        String temp = words[i];
                                        words[i] = words[j];
                                        words[j] = temp;
                                }
                        }
                }
                System.out.println(" ");
                for(int i = 0; i < 6; i++) {
                        System.out.println(words[i]);
                }
        }
}
```

///

6. Find the frequency of a given word in a paragraph:
Given : " Santosh and Anand are sanskrit terms meaning happiness. The
difference is Santosh is the happiness that spreads and Anand is the happiness
that is felt by one-self. Santosh enhances by giving and Anand enhances by

involving. Anology: A person eats a chocolate and relishes its taste, and this is
Anand, a feeling when you involve. You gift chocolate to your friend who likes it
and when you see the joy on your friends face, you feel Santosh, a feeling of
spreading happiness."
Given word : "Anand"
Output : Anand appears 4 times in the given paragraph.

```java
import java.io.*;

class FrequencyCount {
        public static void main(String args[]) throws IOException {
                BufferedReader br=new BufferedReader(new
                InputStreamReader(System.in));
                System.out.println("Given: ");
                String s=br.readLine();
                System.out.println("Given word: ");
                String sub=br.readLine();
                int ind,count=0;
                for(int i=0; i+sub.length()<=s.length(); i++) {
                        ind=s.indexOf(sub,i);
                        if(ind>=0) {
                                count++;
                                i=ind;
                                ind=-1;
                        }
                }
                System.out.println("Output '"+sub+"' in String is "+count);
        }
}
```