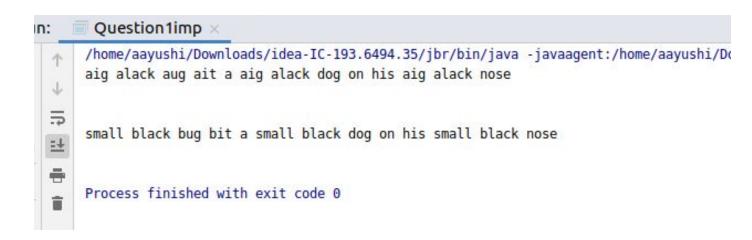# JAVA ASSIGNMENT IMPROVED

Q1. Write a program to replace a substring inside a string with other string ?

Tabs: Question2Improved.java × | ① Question1Improved.java × | Question1.java × | Question2.jav

```java
package aayushi;

//Q1. Write a program to replace a substring inside a string with other string ?

interface Question1Improved {
    public void replaceSubstring(String message);
}


class Question1imp {
    public static void main(String[] args) {
        String str = "big black bug bit a big black dog on his big black nose  \n";

        Question1Improved obj = (message -> {
            System.out.println( str.replace( oldChar: 'b', newChar: 'a' ) );
            System.out.println(  );
            System.out.println( str.replaceAll( regex: "big", replacement: "small") );

        });
        obj.replaceSubstring(str);
    }
}
```

Run: Question1imp ×

```
/home/aayushi/Downloads/idea-IC-193.6494.35/jbr/bin/java -javaagent:/home/aayushi/Do
aig alack aug ait a aig alack dog on his aig alack nose


small black bug bit a small black dog on his small black nose


Process finished with exit code 0
```

Q2.Write
a program to find the number of occurrences of the duplicate words in a string and print them ?

```java
package aayushi;

import java.util.*;

public class Question2Improved {
        public static void main(String[] args) {

                String text = "big black bug bit a big black dog on his big black nose";

                List<String> list = Arrays.asList(text.split( regex: " "));

                Set<String> uniqueWords = new HashSet<String>(list);
                for (String word : uniqueWords) {
                    System.out.println(word + ": " + Collections.frequency(list, word));
                }
        }
}
```

Run: Question2Improved ✕

```
/home/aayushi/Downloads/idea-IC-193.6494.35/jbr
nose: 1
big: 3
a: 1
black: 3
bit: 1
his: 1
bug: 1
dog: 1
on: 1
```

SonarQube   ▶ 4: Run   ≣ 6: TODO   ⊾ Terminal   ⹀ 0: