

## Part A

```
Public static String ScrambleWord(String word)
```

```
int Index = 0;
```

```
int Index2 = 1;
```

```
String ScrambleWord = "";
```

```
while(word.length() >= Index2){
```

```
if(word.substring(Index, Index+1).equalsIgnoreCase("A")
```

```
&& words.substring(Index2, Index2+1).equalsIgnoreCase("A") == false){
```

```
ScrambleWord += word.substring(Index2, Index2+1);
```

```
ScrambleWord += words.substring(Index, Index+1);
```

```
Index += 2;
```

```
Index2 += 2;
```

```
} else{
```

```
ScrambleWord += word.substring(Index, Index+1);
```

```
Index++;
```

```
Index2++;
```

```
//end if statement
```

```
//end while loop
```

```
return ScrambleWord;
```

```
//end method
```



Part B

```
public static void ScrambleOrRemove(List<String> wordList,  
    List<String> temp = new ArrayList<String>();  
    for (int i = 0; i < wordList.size(); i++) {  
        if (ScrambleWord(wordList.get(i)).equals(wordList.get(i)) !=  
            false) {  
            temp.add(ScrambleWord(wordList.get(i)));  
        }  
    }  
    // end if statement
```

// end for loop

wordList = temp;

// end method

on the reason that after they scrambled  
a value, all the other values would shift to  
the left when needed, therefore the for  
loop may not be able to access the