WAP to find the sub sequences of a given string

public class Findsubsequences {

public static void main(String[] args) {

String str = "xyz";

String ans[] = *findSubsequences*(str);

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

System.*out*.println(ans[i]);

}

}

private static String[] findSubsequences(String str) {

// TODO Auto-generated method stub

if(str.length()==0) {

String[] ans= {""};

return ans;

}

String[] smallans=*findSubsequences*(str.substring(1));

String ans[]=new String[2\*smallans.length];

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

ans[i]=smallans[i];

}

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

ans[i+smallans.length]=str.charAt(0)+smallans[i];

}

return ans;

}

}