WORD BREAK

Sunday, November 21, 2021 11:44 AM

WITH RETURN VALUE VOID

```
packagedsaProblems;
importjava.util.*;


publicclassWord_Break{
staticintoutput=0;
publicstaticvoidwordBreak(Stringa,String[]b,intindex)
{
//codehere

if(index==a.length()){

System.out.println("InsideBasecondition"+"__"+"Input:"+a);
output=1;
return;
}
booleanmatched=false;



for(inti=0;i<b.length;i++)
{
Stringcurrent=b[i];

if(a.charAt(index)==current.charAt(0))
{
System.out.println("FirstCharacterMatched");

if(current.length()==1){
matched=true;

System.out.println("InputString:"+a+"___"+"Current:"+current);
a=a.substring(index+current.length());
wordBreak(a,b,index);



}else
{
if(a.substring(0,current.length()).equals(current))
{
matched=true;

System.out.println("currentInput:"+a+"___"+"RequiredString:"+a.substring(0,current.length())+"_
__"+"Current:"+current);
//System.out.println("InputString:"+a+""+"Current:"+current);
a=a.substring(index+current.length());
```

```
wordBreak(a,b,index);
}
}

}
if(matched)
break;

System.out.println("FirstCharacterNotMatched");
System.out.println("Input:"+a+"___"+"Current:"+current);

}




}
publicstaticvoidmain(String[]args){

String[]b={"i","like","sam","sung","samsung","mobile",
"ice","cream","icecream","man","go","mango"
};

Stringa="ilike";
intindex=0;
wordBreak(a,b,0);
if(output==0)
System.out.println("NotPossibletobreakTheString");
else
System.out.println("WordissuccessfullyBreaked");



}
}
```

WITH RETURN VALUE INT

```
packagedsaProblems;
importjava.util.*;


publicclassWord_Break{
publicstaticintwordBreak(Stringa,String[]b,intindex)
{
//codehere

if(index==a.length()){
```

```
System.out.println("Insidebreakcondition");
return1;
}


for(inti=0;i<b.length;i++)
{
Stringcurrent=b[i];

if(a.charAt(index)==current.charAt(0))
{
System.out.println("FirstCharacterMatched");

if(current.length()==1){
System.out.println("InputString:"+a+"___"+"Current:"+current);
returnwordBreak(a.substring(index+current.length()),b,index);



}else
{
if(a.substring(0,current.length()).equals(current))
{System.out.println("currentInput:"+a+"___"+"RequiredString:"+a.substring(0,current.length())+"_
__"+"Current:"+current);
//System.out.println("InputString:"+a+""+"Current:"+current);
returnwordBreak(a.substring(index+current.length()),b,index);
}
}

}
System.out.println("FirstCharacterNotMatched");
System.out.println("Input:"+a+"___"+"Current:"+current);

}



return0;

}
publicstaticvoidmain(String[]args){

String[]b={"i","like","sam","sung","samsung","mobile",
"ice","cream","icecream","man","go","mango"
};

Stringa="ilike";
intindex=0;
intans=wordBreak(a,b,0);
if(ans==0)
System.out.println("NotPossibletobreakTheString");
else
```

```
System.out.println("WordissuccessfullyBreaked");



}
}
```