Daily Test Happy Coding from necse SkillRack

Time Left: 00:02:32

Insert String Values - Replace Hyphens

The program must accept an integer **X** and **N pairs** as the input. Each pair contains a string and an integer. The program must form a string **S** of length X based on the following conditions.
- Initially, all the characters in the string must be hyphens.
- For each string-integer pair(string **str**, integer **P**), the program must insert the string str into the string S starting from the position P if the string S contains **L** hyphens starting from the position P (where L represents the length of string str). Else the program must not modify the string S.
Finally, the program must print the modified string S as the output.

Boundary Condition(s):
1 <= P <= X <= 100
1 <= N <= 100
1 <= Length of each string <= 30

Input Format:
The first line contains X.
The second line contains N.
The next N lines, each contains a string value str and an integer P.

Output Format:
The first line contains the string S.

Example Input/Output 1:
Input:
9
4
Skill 1
Program 4
Rack 7
Rack 6

Output:
SkillRack

Explanation:
Here **X=9** and **N=4**, the string value S is formed with the hyphens ("-") of length 9.
For the **1st** pair, the string **Skill** is inserted into the string S starting from the position **1**. Now the string S becomes **Skill----**.
For the **2nd** pair, the string **Program** cannot be inserted into the string S starting from the position **4**. So the string S remains the same.
For the **3rd** pair, the string **Rack** cannot be inserted into the string S starting from the position **7**. So the string S remains the same.
For the **4th** pair, the string **Rack** is inserted into the string S starting from the position **6**. Now the string S becomes **SkillRack**.
Hence the output is
SkillRack

Example Input/Output 2:
Input:
11
5
Tiger 10
Rat 4
Cat 1
Tigers 7
Tiger 7

Output:
CatRatTiger

Example Input/Output 3:
Input:
5
2
year 3
key 2

Output:
-key-

Max Execution Time Limit: 50 millisecs

Ambiance

Java (12.0)

```java
import java.util.*;
public class Hello {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        int x = sc.nextInt();
        int n = sc.nextInt();

        sc.nextLine();
        String s= "";
        for(int i=0;i<x;i++){
            s+="-";
        }
        int inserted = 0;

        for(int i=0;i<n;i++){
            if(inserted==x) break;
            String str[] = sc.nextLine().split(" ");
            String val = str[0];
            int idx = Integer.parseInt(str[1]);
            idx--;

            if(idx+val.length()>x) continue;

            String pre = s.substring(idx,idx+val.length());
            if(!pre.contains("-")) continue;

            if(idx+val.length()<=x){
                s = s.substring(0,idx)+val;
                inserted+=val.length();
            }
        }

        System.out.println(s+"");



    }
}
```

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Please wait while we run the program ....