Remove K Digits

Given a non-negative integer **S** represented as a string, remove **K** digits from the number so that the new number is the smallest possible.
Note : The given *num* does not contain any leading zero.

Example 1:

```
Input:
S = "149811", K = 3
Output:
111
Explanation:
Remove the three digits
4, 9, and 8 to form the new number 111
which is smallest.
```

Example 2:

```
Input:
S = "1002991", K = 3
Output:
21
Explanation:
Remove the three digits 1(leading
one), 9, and 9 to form the new number 21(Note
that the output must not contain leading
zeroes) which is the smallest.
```

Your Task:
You don't need to read input or print anything. Your task is to complete the function **removeKdigits()** which takes the string S and an integer K as input and returns the new number which is the smallest possible.

Expected Time Complexity: O(|S|).
Expected Auxiliary Space: O(|S|).

Constraints:
1<= K <= |S|<=10^6