2. Python: Missing Characters

Implement a function that takes a string that consists of lowercase letters and digits and returns a string that consists of all digits and lowercase English letters that are not present in the string. The digits should come first, in ascending order, followed by characters, also in ascending order.

Example
s = "7985interdisciplinary12"

The returned string is "0346bfghjkmoquvwxz". It contains all missing digits in ascending order, followed by missing characters in ascending order.

Function Description
Complete the function *missingCharacters* in the editor below.

missingCharacters has the following parameter(s):
  string s: a string

Return
  string: a string as described above

Constraints

- $0 \leq length\ of\ s \leq 100$
- Each character *s[i]* is in the range [a-z] or [0-9].
- The resulting string will be non-empty

▼ Input Format Format for Custom Testing

Input from stdin will be processed as follows and passed to the function.

The first line contains a string *s*.

▼ Sample Case 0

Sample Input 0

```
8hypotheticall024y6wxz
```

Sample Output 0

```
13579bdfgjkmnqrsuv
```

Explanation 0
All lowercase English letters and digits that are not present in s, when ordered are "13579bdfgjkmnqrsuv".

▼ Sample Case 1

Sample Input 1

```
0123456789
```

Sample Output 1

```
abcdefghijklmnopqrstuvwxyz
```

Explanation 1

The input string contains all the digits but no letters. The result is a string of all lowercase English letters in alphabetic order.

▼ Sample Case 2

Sample Input 2

```
abcdefghijklmnopqrstuvwxyz007
```

Sample Output 2

```
12345689
```

Explanation 2

The input string contains all letters and the digits 0 and 7. The result is a string of all digits except 0 and 7, i.e. "12345689".