# Strings Mashup

## Given a string, you should convert every letter to be lowercase or uppercase to create a mashup string.

## Write a program that prints all possible mashup strings we could create.

## Input

* You will receive a string – str.

## Output

* Print all possible result strings, each on a new line.
  + Order doesn’t matter.

## Constraints

* str length will be in the range [1… 20].
* str may contain only letters.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| x1y2z | X1Y2Z  X1Y2z  X1y2Z  X1y2z  x1Y2Z  x1Y2z  x1y2Z  x1y2z |