CS103-Computer Programming 2
2nd Semester 2023-2024
Programming Exercise 4

Write a program that will continuously read a singular word noun, i.e. a string from an input file "`singular.in`" until EOF. The program should then output on the screen and into an output file "`plural.out`" the singular form and plural form of each word on the basis of these rules:

- If noun ends in **`-s, -sh, -ch, -x`**, or -**`z`**, add **"es"**.
  (**`box-boxes, lunch-lunches, loss-losses, brush-brushes`**)
- If noun ends in **`-y`** and the letter before the **"y"** is a consonant, remove the **"y"** and add **"ies"**.
  (**`city-cities`**)
- If noun ends in **`-y`** and the letter before the "**y**" is a vowel, simply add an **"s"** to make it plural.
  (**`ray-rays, toy-toys`**)
- In all other cases, just add **"s"**.
  (Examples: **`cat-cats, fan-fans, chair-chairs`**)

The task of getting the plural form must be implemented as a function with string as parameter. All printing operations must be performed in the main function only. Please note also that the letters in each word must be converted into lowercases first before getting its plural form. You can use the function **`tolower()`** which accepts a **char as parameter** and include the header file **`ctype.h`**.

SAMPLE CONTENT OF INPUT FILE "`singular.in`":

```
striNG
truss
bus
city
Lunch
BOX
puppy
```

SAMPLE OUTPUT on the screen and file "`plural.out`":

```
SINGULAR        PLURAL
------------------------
string          strings
truss           trusses
bus             buses
city            cities
lunch           lunches
box             boxes
puppy           puppies
```