CSC241 Winter 2014 - Lab Assignment 7

1 Program 1 (2 points)

The module io241 exposes the following functions:

```
io241.get_page(url)
```

which given a URL returns the content of the web page, and

```
io241.parse_emails(page)
```

which given a web page returns a list of the email addresses found in the page.

Write a program a7p1.py lists all the email addresses found at the web page

http://www.cdm.depaul.edu/about/Pages/People/Administration.aspx Grade it as usual:

```
$ grade a7p1.py
```

2 Program 2 (2 points)

The module io241 exposes the following functions:

```
io241.world_news()
```

and returns a list of news titles from NPR.rg. Write a program a7p2.py that lists all the titles, asks you to enter a number and prints the corresponding title in upper case. Example:

- 0) First man in the moon
- 1) Water on Mars
- 2) Flood on Jupiter

: 1

WATER ON MARS

When done you can grade it automatically with

```
$ grade a7p2.py
```

3 Program 3 (2 points)

The International Civil Aviation Organization (ICAO) alphabet assigns code words to the letters of the English alphabet acrophonically (Alfa for A, Bravo for B, etc.) so that critical combinations of letters (and numbers) can be pronounced and understood by those who transmit and receive voice messages by radio or telephone regardless of their native language, especially when the safety of navigation or persons is essential. Here is a Python dictionary covering one version of the ICAO alphabet:

Write a program that inputs a string and converts them to ICAO as follows:

```
input: ab cd
output: alpha bravo charlie delta
```

When done you can grade it automatically with

```
$ grade a7p3.py
```

4 Program 4 (2 points)

The third person singular verb form in English is distinguished by the suffix -s, which is added to the stem of the infinitive form: run -¿ runs. A simple set of rules can be given as follows:

- If the verb ends in y, remove it and add ies
- If the verb ends in o, ch, s, sh, x or z, add es
- By default just add s

Write a program a7p4.py that takes as input an english verb in infinite form and returns its plural form. Example:

input: love
output: loves

When done you can grade it automatically with

\$ grade a7p4.py