

**Problem X. Answer the following question using 10-15 lines of code. Do NOT write a function.**

You are given a 1xN structure stored in the variable `gatech` that contains two fields: `College` and `Majors`. The content of the `College` field is a string describing the name of the college. The content of the `Majors` field is a string listing the majors of the college. Majors will be delimited by *any* non-alphabetical character. Assume that there will always be exactly one delimiter between majors and each college has at least one major.

Add a field to `gatech` called `NumMajors` that has the number of majors in each college. Additionally, output in the variable `mostMajors` the name of the college with the most majors.

Example:

`gatech` →

College:	'CoE'	'CoC'	'LMC'
Majors:	'AE, BME-chemE%ME.EE '	'CS%CM'	'LMC'

After the script is run,

`gatech` →

College:	'CoE'	'CoC'	'LMC'
Majors:	'AE, BME-chemE%ME.EE '	'CS%CM'	'LMC'
NumMajors:	5	2	1

`mostMajors` = 'CoE'

Write your script here:

## **SOLUTION**

```
for ind = 1:length(gatech)
    Major = gatech(ind).Majors;
    mask = Major(lower(Major) >= 'a' & lower(Major) <= 'z' )
    leng = length(mask(mask)) + 1;
    gatech(ind).NumMajors = leng;
end

[~, ind] = max([gatech.NumMajors])
mostMajors = gatech(ind).College
```