# CHEN3600 – Computer-Aided Chemical Engineering Spring 2012

# Chemical Engineering Department CQ1

**T.D. Placek Auburn University**

**CQ1 – Removing Characters from a String Variable**

DO NOT SUBMIT YOUR SOLUTION!

Create a function file named email\_Remove\_Char. The following code should be placed in the file:

function placetd\_Remove\_Char

%

% part(a)

s = 'This string has several vowels, digits like 3, 4, 6, and consonants';

char2remove='s';

disp(RemoveChar(s,char2remove))

%

% part(b)

char2remove='3456';

disp(RemoveChar(s,char2remove))

end

Write the necessary MATLAB subfunction to perform the action indicated in part(a). There is a restriction in that your answer for part(a) consists of a single MATLAB statement (not including the function statement and the end statement.)

The correct answer for part(a) is: “Thi tring ha everal vowel, digit like 3, 4, 6, and consonant”

Modify your subfunction for part(b) to work for both parts. You may now write additional statements but your solution must still work for part(a).

The correct answer for part(b) is: “This string has several vowels, digits like , , , and consonants”

SOLUTION CQ1

function placetd\_Remove\_Char

s = 'This string has several vowels, digits like 3, 4, 6, and consonants';

char2remove='s';

disp(RemoveChar(s,char2remove))

char2remove='3456';

disp(RemoveChar(s,char2remove))

end

% The output is...

% This string has svral vowls, digits lik 3, 4, 6, and consonants

%

% Write the subfunction which will operate to remove any selected character

function [ s ] = RemoveChar( s,c )

for k=1:length(c)

s = s(s~=c(k));

end

end