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function Ma4_Task1_	_chen3633(maxx, ind)
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	\$
% ENGR 133	
% Program Descripti	
%find a suitable co	ommunity pool
8	
% Function Call	
%Ma4_Task1_chen3633	(maxx, ind)
% S. Tananah 7 ang ang ang ang	
% Input Arguments %maxx, ind	
ellaxx, IIIu	
% Output Arguments	
%n/a	
%	
% Assignment Inform	nation
% Assignment:	Ma4_Task 1
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% My contributor(	
	nd the assignment expectations without
	ne how they will approach it.
	nd different ways to think about a solution
	nelping me plan my solution. Tough the meaning of a specific error or
	ent in my code without looking at my code.
\$	; \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

#### INITIALIZATION

```
file = csvread('Data_pool_info.csv',1,0);
reqSurfA = 25;
capacity = file(:, 1);
depth = file(:, 2);
length = file(:, 3);
width = file(:, 4);
```

### **CALCULATIONS**

```
volume = length.*width.*depth;
if isscalar(maxx) == 0;
    disp("error")
end
if (ind ~= 0) &&(ind ~= 1)
    disp("error")
end
for k = 2:size(file, 2)
    if ind == 1
        [mindepth, idx] = find(depth>=10);
        a = [capacity(idx) mindepth];
        surfA = maxx*25;
        calcSurfA = length.*width;
        [mincap, idxx] = find(calcSurfA>= surfA);
        Mincol = [capacity(idxx) mincap]
        pp = volume(idxx)*3;
    end
end
 %dCol(k,:)
Not enough input arguments.
Error in Ma4_Task1_chen3633 (line 47)
if isscalar(maxx) == 0;
```

### FORMATTED TEXT & FIGURE DISPLAYS

fprintf("The volume of the pool selected: %f",pp)
fprintf("The maximum number of swimmers the selected pool can allow at
 one time: %f")

# **COMMAND WINDOW OUTPUT**

end

#### **ACADEMIC INTEGRITY STATEMENT**

I have not used source code obtained from any other unauthorized source, either modified or unmodified. Neither have I provided access to my code to another. The project I am submitting is my own original work.

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