Table of Contents


```
function Ma3_Task1_chen3633(x,y)

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% ENGR 133
% Program Description
%Find where the security camera is located
%
% Function Call
%location(x, y)
%
% Input Arguments
%x
%y
%
% Output Arguments
%office
%lobby
%vestibule
%observatory
%exbihit hall
%
% Assignment Information
%   Assignment:     Ma3_Task 1
%   Author:         Yolanda, chen3633@purdue.edu
%   Team ID:        LC1-15
%   Contributor:    Collin Gernhardt, cgernhar@purdue.edu
%                   Rachel Evrard, revrard@purdue.edu
%                   Jonathan Budiman, jbudiman@purdue.edu
%   My contributor(s) helped me:
%     [ ] understand the assignment expectations without
%         telling me how they will approach it.
%     [ ] understand different ways to think about a solution
%         without helping me plan my solution.
%     [ ] think through the meaning of a specific error or
%         bug present in my code without looking at my code.

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

INITIALIZATION

```
r = sqrt(x^2+y^2);
switch true
    case x>=-11 && y>=18
        disp ('office')
    case x>=-1 && y>=18
        disp ('lobby')
    case 11>x>-11 && y>6
        disp('Hall')
    case (-3<x) || (x>3) && (6>=y) || (y>=5)
        disp('vestibule')
    case r <= 5
        disp("observatory")
    otherwise
        disp('error')
end

Not enough input arguments.

Error in Ma3_Task1_chen3633 (line 41)
r = sqrt(x^2+y^2);
```

CALCULATIONS

FORMATTED TEXT & FIGURE DISPLAYS

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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