

```

function [row col max] = find_max(A);
    temp = size(A);
    num_rows = temp(1);
    num_cols = temp(2);

    row = 0;
    col = 0;
    max = 0;

    for i = 1 : num_rows
        for j = 1 : num_cols
            if(A(i,j) > max)
                max = A(i,j);
                row = i;
                col = j;
            endif
        endfor
    endfor
endfunction

```