%% Below finds the maximum entry of a list with 5 numbers

```
clear                   % clear all variables
x=[13,14,5,16,3]
max=x(1);               % take an initial maximum
for i=2:5;          % run the for loop for the algorithm
   if max<x(i)
      max=x(i);
   end
end
max
```

%% Below finds the maximum entry of a list

```
clear               % clear all variables
x=[1 3 5 38 56 12]
n=size(x);              % size of the list x (as a matrix n(1)xn(2))
max=x(1);                % take an initial maximum
for i=2:n(2);           % run the for loop for the algorithm
   if max<x(i)
      max=x(i);
   end
end
max
```