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| Class: B. Tech CsBs | Batch: 1 |
| Date of Experiment: 25-09-2022 | Subject: ITWS |

Lab 10: M Script Debugging

# Code with error

function [vals, locs]=local\_max(v)

n=length(v);

vals=[];

locs=[];

for m=1:n

if v(m)-v(m-1)>0 && v(m)-v(m+1)>0

vals = [vals;v(m)];

locs = [locs;m];

end

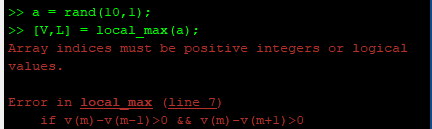
end

figure; plot(v);

hold on;

plot(locs,vals,'ro');

# Running the file in the command window at first

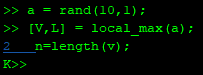


Error is received so will use step debugging

# Setting Step debug in line 2 from where the file is running



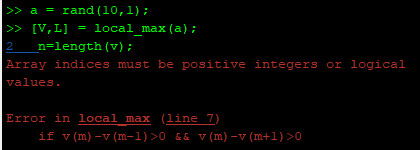
# Running the step debug in command window



# Click on the step button to go to next step



# You will find there is an error in line 7 as its shown in command window



# Changing value from for **m=1:n** to **m=2:n**

# Once again setting the breakpoint in line 2 and running it



# After doing it continue the above step by clicking on step button again and again till the graph is received like this

