- · Don't forget to do the reading! Lecture vide of + questions are purely puppumental
- · Un + look at the Discussion Forum for questions
- · Class: attendance points are only given if students are fully engaged in breakout rooms
 - -> audio + video off = \$\textit{\$\tau}\$ points
- · class: please post creative problems on the Discussion about on BB

· Buiz #2 at 10:40 today

- we're giving 5 extra minutes for this one only!

- · 3-day weetend (Monday is a notiday)

 —> Monday schedule on Tuesday * MATLAB Grader + Lab Worksheets are are Friday 10 am EST this week ... yay!
- · Homework +1 due Tursday, 2/16/21 at 10 am EST
- · Next week: class on Tuesday, practice exam during electure on Wednesday
- · Adjusted Open Hours this weekend + next week any:

 - -> Sunday Nam Ipm -> Manday 7pm 9pm
 - -> Trusday 7 pm 9 pm
 - Thursday 7 pm 9 pm
- · LOOK for special zoom meetings for Monday Open Hours and Tuesday class [lab
- ·Look for practice exams on BB
- · Exam #1: Friday, 2/19/21 at 430 pm BST for everyone (due at 6 pm)
 - → 9 pagus long
 - practice uploading this on gradescope before hand!

Perian aniz 1

Q1: remember to evaluate left to right

Q2: xorl) only 1 can be true!

'a' is 97, 'b' is 98, 'c' is 99, etc

Q3: Watch for newlines! In

Watch for consistent variable names

input() Hatements: no newline because it's already built in! only add the '1' if taking in character or thing/character vector

remember formatting numbers (1.f is float, 1.d is integer, 1.2f is float 4/2 decimal pts.)

Peview Lecture Material

How do we accomplish the following?

- * * * * * * * *
- xx *

- for i=5:-1:1 for j=1:i fprintf('*')

tprintf('In')

end

```
& for loops
 % sum the elements of a vector
 vec = 1:9;
runsum = 0; % initialize runsum
for i = 1:length(vec)
                                                                                                      e practice this and notice the methods
      runsum = runsum + vec(i);
 vec % for display only
                                                                                                                         - preallocating outside the loop
                                                                                                                                  and why
 % preallocating
 \% we have 5 students and we want to calculate their average quiz scores \% scores are all out of 10
                                                                                                                        - preallocating inside the loop and
 students = 1:5;
students = 1:5;
avg_quizzes = zeros(1, length(students)); % preallocate outside the loop
for i = 1:length(students)
   quiz_vec = zeros(1,3); % preallocate inside the loop
   fprintf('Now let''s enter Student %d''s quiz scores.\n\n', i)
   quiz_vec(1) = input('Enter the score for quiz 1: ');
   quiz_vec(2) = input('Enter the score for quiz 2: ');
   quiz_vec(3) = input('Enter the score for quiz 3: ');
                                                                                                                                why
                                                                                                                       - wring the i variable in the
                                                                                                                                   for wop to fill a rector
                                                                                                                                    in (you would use i and j
avg_quizzes(i) = mean(quiz_vec);
end
                                                                                                                                     if it was a nested loop)
 fprintf('Here''s everyone''s average quiz scores: \n')
disp(avg_quizzes')
```

Subsplot

-morphot (a, b, c) a x b dimensions, c is number you're usering

number (2,1,1)
plot (x,4, '60')

musphot (2,1,2)
phot(x,y,'r+')



3 x 3

C=1	C=2	L= 3
C=4	C=5	ما دی
L=7	C=8	c=9

check but the .m file pent that will go aver protting!