Week 1

For this activity, you will need to form teams, but there is a catch! You will need to use the following pseudocode.

Until my team has 3 members repeat the following:
        Find someone then
        If their shirt color matches yours
                Then get together in a group
        If it doesn't match the color of your shirt
                Then keep looking
        If it has been a while and can't find a team
                Then let your instructors know

1. Use google to define the following (Tip: add the word **programming** at the end):
   a. Repetition
   b. Conditional
   c. Pseudocode

2. Using the definitions above, can you find any of those anywhere on this page? (Circle and label if any)

3. Look up which are Java's escape sequences. (Hint: pay attention to the StackOverflow result)

4. Develop an algorithm for a robot that is located in the center of the room and has to visit all the corners of the room, but everytime it reaches the corner has to head back to the center of the room. The robot steps' length is about 1 foot (about the size of your shoe), the robot knows how to turn about a certain amount of degrees to left or right, and the robot has sensors that detect if something is blocking its path. GLHF.