SECTION 7: MILESTONE PROJECT - 1, 1 hour 40 minutes, 9 parts
- **9/9 Solution Overview for MileStone Project 1 - Part Two**
  - ○ **-> coding out all of the logic**
    - ‣ **she's written functions for the project -> and is now combining them into a program (ttt game)**

    - ‣ **-> using while loops to run the game**
      - • write out logic on the steps you need to take
      - • she's first initialised the code -> set up empty strings
      - • -> the board is a list of 10 empty strings (in this case)
      - • -> asking the user for input, then calling the function which randomly selects the player who starts (x or 0)
      - • -> then it's asking if the user wants to play the game or not
      - • -> then she starts the program -> while game_on is True
      - • -> display the board

      - • **-> then write out the steps which show the board**
        - ○ the users choose the position
        - ○ then the marker is placed on the position which was chosen
        - ○ -> then a tie is checked for
        - ○ -> if there is no tie or no win then the next stage is implemented
          - ‣ **she writes out the steps of the solution in comments -> and then populates the JN with code - it's a problem solving thought process**
        - ○ -> **she also reuses the code for player 1, but for player 2 (reusing code)**
        - ○ -> checking for the player 2 marker
        - ○ -> **then does a test run of the entire program**
          - ‣ -> run the entire thing to make the sure tie works
          - ‣ -> **testing for the different case scenarios**
        - ○ -> **i.e using functions to create programs**