SECTION 11: MILESTONE PROJECT - 2 hours 18 minutes, 12 sections

- **4/12 Player Class**
    - **-> the player class -> so the player can hold cards in their hand**
        - players should be able to add or remove cards to their hands (single or multiple)
        - -> translating a deck of cards into a Python list
        - -> you draw from the top of the deck and remove cards from the bottom
            - indexing -1 and +1 to be right and left
        - -> self.all_cards

        - **-> she's created a list of cards ["A","B","C"]**
            - -> play the cards from the top of the hand (pop(0)) -> the card on the top of the hand is moved onto the table
            - -> the card is added to the bottom of their hand -> cards.append("W")
                - **we are making a model of the physical game**
            - -> new = ['X','Z']

            - **-> the extend method -> cards.extend(new)**
                - extend takes a list and merges it with the existing list
                - we can't use append
                    - appending a list -> a nested list
                    - drawing a list rather than a single card (nested lists rather than cards)
                    - -> this is why extend is used

    - **-> in the .ipynb file**
        - she defines a player class
        - **-> def __init__(self, name): <- initialising the attributes we want in the class**
            - self.name = name
            - seldf.all_cards = []

        - **-> def remove_one(self):**
            - -> she also defines another method called add_cards (adding cards to the deck), another one is self
            - -> self.name
            - -> then returning outputs using an f string literal

        - **-> then she's making an instance of it**
            - adding cards
            - new cards
            - -> list of card objects
        - -> another method she's defining adds cards to the deck

        - **-> then is testing the methods in a new instance of the card**
            - -> adding cards to the deck of the cards
            - -> she's also printing out the new card which was added to the hand
            - -> she has then added three new cards in a list of cards -> using the example in the JN, you can add any number of cards to the deck