SECTION 3: PYTHON OBJECT AND DATA STRUCTURE BASICS, 2 hrs 2 mins, 33 parts
- **7/36 Introduction to Strings**
    - theory
        - **-> single or double quote strings -> 'hello world', "hello world"**
        - **-> you can wrap one in another**
        - -> strings are ordered sequences
            - you can slice different strings
            - indexing
            - slicing
        - **-> indexing / slicing with strings -> take a single section of the string**
            - **indexing**
                - **zero-indexed (in a string, each of the characters has its own index)**
                - **reverse index -> -index -1 is the last one (in this example)**
            - **slicing**
                - **-> [start:stop:step]**
                - -> in other words, the start index etc
    - JN examples
        - **returning strings -> typing out the '' or "" and it returning**
            - -> 'hello'
            - -> "hello"
            - -> 'I'm going on a run'
                - this returns an error because it thinks the string is ending with I'm
                - -> so we add a " quotation mark
                - -> in other words, "I'm going on a run"
        - **printing strings**
            - **print("hello")**
            - **this compares to "hello" which returns ""'s with the result**
            - -> i.e you don't actually have to use print()
        - **escape sequences**
            - **-> print('hello \n world')**
                - **new line**
            - **or -> print('hello \t world')**
                - **tab**
        - len
            - -> len(str) returns the amount of characters, aka letters, in the string