

## SECTION 6: METHODS AND FUNCTIONS, 2 hours 54 mins, 30 parts

### • 23/29 Function Practice - Solutions Level One

- -> this is going over the solutions to the previous JN again
- -> **example question**
  - we want a function which capitalises the first and fourth letters of a name
  - **-> she's broken up the input string, changed the cases of the elements and then added them all together in a return statement**
  - -> adding the strings is the same as concatenating them
  - **-> then she's writing out the same solution in a more compact notation**
- -> **another example question**
  - -> we want the function to return the same word / list spelt backwards
  - **-> wordlist = text.split() <- make a list of the string (each word in the input string to the function is the element of a list)**
  - **-> then return wordlist[::-1] <- go through the entire thing and spell it backwards**
  - **-> another approach is to use '--'.join(mylist) <- this puts a space between every element in the list -> it's joining them together (join), separated by --'s**
- -> **another example question**
  - **abs(num) <- this returns the absolute number (positive version)**
  - -> return (abs(100-n) <= 10) or (abs(200-n)<=10)
    - -> so is the difference between the number and 100 or 200 less than or equal to 10
    - **-> the return statement from a function can be a boolean condition (this makes the solution more compact)**