

# Python – Lists

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Here is a list of names: ["James", "L'Viary", "Josh", "Katie", "Conor", "Libby"]

Write a Python script to:

1. Print the first item in the list
2. Print the last item in the list
3. Print item index 2
4. Put the items in order
5. Count the number of items in the list
6. Add the name "Kelly" to the end of the list
7. Remove "Katie" from the list
8. Add "Dave" in position 4 in the list
9. Create a new list, with the names "Phil", "Emma" and "Daniel"
10. Create a third list, which contains all the names from the first two lists
11. Print items 3 – 6 in the new list
12. Find where "Kelly" is in the new list
13. Insert the name "Sean" after "Daniel" in the new list
14. Print the new list of names backwards
15. Print True if "Riley" is in the list and False if not

## A simple game...

- Get your user to input a word
- Save the word into a variable
- Print several blank lines onto the shell so that you can't see the original word
- Create a list which is the same length as the word. Each item should be a "-"
- Print the list (You should see a list of dashes, e.g. -----)
- Get the user to guess a letter
- If the letter is in the word, replace that position in the list with the correct letter.
- Print the new list
  
- Repeat guessing letters and printing the list until the user has guessed all the letters (HINT: use a while loop)
  
- Count how many guesses the user takes to get the word (HINT: use the counter pattern)
  
- Limit the user to 10 guesses – if they take fewer than 10 guesses, they win but if they get to 10 then they lose! (HINT: Use an IF statement and a BREAK command)
  
- Extension: Use functions in your code...