

# Practical Exercise: Lists

## Your task

### ***Task 1: Create and Modify Lists***

1. Create a list named "ages" with the following age values: 25, 30, 22, 40, and 35.
2. Append the age value of 28 to the end of the list.
3. Insert the age value of 18 at index 1 in the list.
4. Print the modified "ages" list to verify the changes.

### ***Task 2: Extract Sub-lists***

1. Create a list called "countries" with the following elements: 'USA', 'Canada', 'UK', 'Australia', 'Germany', and 'France'.
2. Use list slicing to extract the first three countries and store them in a new list named "first three countries."
3. Use list slicing again to extract the last two countries and store them in a new list named "last two countries".
4. Print both "first three countries" and "last two countries" lists to see the results.

### ***Task 3: Remove and Sort Lists***

1. Create a list of numbers named "random numbers" with the values: 7, 2, 10, 4, and 1.
2. Remove the number 10 from the list.
3. Sort the "random numbers" list in ascending order.
4. Reverse the order of elements in the sorted "random numbers" list.
5. Print the final "random numbers" list to observe the changes.

### ***Task 4: Multiplication Operator***

1. Create a list named "scores" containing the elements: 80, 90, and 85.
2. Use the multiplication operator to create a new list named "repeated scores" that repeats the elements of "scores" two times.
3. Print the "repeated scores" list to see the result.