

# Python Practice

## Functions

1. Write a function that takes in a list and returns a new list that has the elements of the parameter in reverse order
2. Write a function to return the index of the maximum element in a list
3. Write a function that takes in a list returns a new list with only the odd elements from the parameter list. Use a list comprehension to do this.
4. Write a function that takes in two lists. Each parameter represents a point, e.g., [1,1]. Return the Euclidean distance between the two points.
5. Write a function that takes in a filename. Open the file, and return a list where each element is a line from the file.
6. Write a function that takes in a filename and a list. Write the contents of the list to the file. Each element should be on its own line in the file.

## Classes

1. Create a class titled BankAccount.
2. Create a constructor that takes an ID parameter and initial deposit amount parameter. The constructor should set an 'id' member to the ID parameter and set the 'balance' member to the initial deposit parameter.
3. Create the following methods for the BankAccount class:
  1. deposit. This method should take a deposit amount parameter. Add the parameter to the 'balance' member.
  2. withdraw. This method should take a withdrawal amount parameter. Subtract the parameter from the BankAccount. Make sure that the account has a balance greater than or equal to the withdrawal amount.
4. All methods should return the balance member.
5. Outside of the class, create two BankAccount objects.
6. Call your methods with the objects you created and print out the results.