

Interview questions

Question 1

- You are given a list of numbers, both positive and negative.
- You need to find which numbers appear both as positive and negative, and output them:

Example: input: [1, 5, -3, 4, 2, 0, -2, -1]

output: [1, 2]

In []:

Question 2

You are given two lists, A and B you need to find a pair of elements, one from A and one from B, (let's call them e_A and e_B), such that the absolute value of the difference is the maximal among all such pairs

In []:

Question 3

- You are given two lists, A and B, and a difference D.
- Print all pairs of elements, one from each list, where $\text{abs}(e_A - e_B) = D$

In []:

Question 4

- You are given a list of strings.
- You need to output the list sorted according to the following criteria:
- First, sort by the *sum* of the ASCII code of each character
- For "ties", sort alphabetically.

In []: