



30 DAYS OF CODE (PYTHON TRACK)

Day 3- Binary Search Algorithm

Create a function named **bin_search** that takes a **list of numbers** and a **number to look for in the list as parameters** and **returns a Boolean indicating whether the number is in the list or not**. The program is to work as follows. The list is split into two and the last element in the first half is compared to the number to be found. If there are not the same, the program is to determine what half the number could be in by comparing the boundary elements at the split point. Half, where the number could be in, is then taken and the process is repeated until the sublist being checked contains only one element after which all hope of finding it is lost.