

# CECS 342 Assignment 5 - Ancient Languages with Fortran 77

August 23, 2021

**Assignment Description.** The purpose of this assignment is to give you some experience programming with older programming languages. You will be using Fortran 77 for this assignment (and *not* a newer version of Fortran!).

Write a program in *Fortran 77* to sort an array of numbers entered from the keyboard and then using binary search, search for a number in the array. If the number is not found then it should ask for another number. The program should work in a loop to search for multiple numbers one by one without having to execute the program again. Your program *must* use the 77 standard of Fortran--you may *not* use a later version of Fortran to complete this assignment (eg. Fortran 95).

A good reference (probably one of the only remaining) on Fortran 77 can be found [here](#).

**Deliverables.** Submit your .f source code (some compilers use \*.f77 as the file extension, which is also fine), a screenshot of a sample run and output of your program, and a text file with a writeup about your experiences with Fortran 77 to Beachboard Dropbox.