Write a program to search sequentially through a file for a record with a particular key, make sure to include the following steps:

* 1. Ask user “Enter name of the file to search”
  2. Open the file
  3. Ask user “Enter last name”
  4. Ask user “Enter first name”
  5. Use the entered names (last name, first name) as search key to sequentially search through the file
  6. If record found, print the records
  7. If record not found, print “record not found”.

**20 points bonus if you also implement binary search as an alternative of Step 5.**

**Note: please include source code and screen output for your program.**