Lab Report

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**Program Statement**

The goal of the programming assignment is to make a system for looking up information about famous computer scientists. Person.txt file should be read throughout the system. The normal inputs to the program were first, last name and birth year that user want to search for. Output should print person information that is valid to a user inputs. Error handling was not required at this assignment.

**Design**

The first design decision I made is to code person.cpp including person.h. Second decision is to code table.cpp including table.h. for last, in main.cpp, after table.h is included, write codes for operating functions from table.cpp.

**Implementation**

First at person.cpp, constructor and copy constructor were made by five private value from person.h. get functions were just declared with return to each function. In table.cpp, constructor and copy constructor were declared with class person array with size of 30. For reading functions, reading five elements with din, was set in person.h. In table.h’s reading function, in a while loop, person reading function was included to read and pass reference to table array of each person. For searching first,last and birth date function, while loop was set to look over person’s data from table array.

**Testing**

First I started test with small parts. If it is operated correctly, program was built afterwards.

It worked as I expected. Output came out corresponding of user’s input.

**Conclusion**

The overall result of the assignment came out with correct output with few statements. Project worked successful. I would try to make user can search for contribution also.