

CSE 2133 - Lab 4

You will create a OpenCOBOL program that will generate a report listing patients who are registered with VaporCare Regional Health Insurance. This batch program will be named **lab4.cob** and the input file will be named “lab4-in.dat” and will be located in the same directory as the lab4 executable (so do not specify a path for the file in the Select statement).

The record format for the file is as follows:

<u>Field Description</u>	<u>Length</u>	<u>Data Type</u>
Customer Number	5	Unsigned Number (no decimal places)
Customer Name	20	String
Customer Address	30	String
Registration Date	8	Unsigned Number (MMDDYYYY)
Current Balance	9	Unsigned Number (2 decimal places)

The program is to create a formatted report which will be named “lab4-out.dat,” which will also be located in the same directory as the lab4 executable (so do not specify a path for the file in the Select statement). At a minimum, formatting must include leading zero suppression, visible decimal point, and thousands separator. A currency symbol is optional, and if used can be fixed or floating.

The sample file zip package (lab4.zip) also contains a file named lab4-out.dat which can be used as a guide for formatting your report. Things to note:

- The contents of each line of the report are shown in the report guide file
- The spacing between items on a line do **not** have to match the guide exactly
- In the guide, X represents string values and 9 represents numeric values and only show field location and size, not formatting
- The date and time are to be the current date and time
- ?M represents either AM or PM, as appropriate
- Blank lines (such as the ones before and after the column headers) are required
- Allow for 35 “lines” per page