

Objectives:

Work with structures, vector of structures, files, and formatting.

A company keeps its employee records in a file. Each line in the file includes a single employee record (id, first name, last name, & salary). Write a C++ program that prints a report of employee data. You are asked to process the data in the file by storing the records in a *vector* of structures. Your program must print the following report.

- All employee records.
- Find and print the total payroll.

Create a directory called **Lab6** inside your **2400/Labs** directory. Download the data file and store it in Lab6 directory.

Hints:

- Write a function to load the vector of structures.
- Write a function to print the report. Consider using *setw*.
 - Combine the first and last name into a single string. This will make it easier to use *setw*.
- Write a function to calculate and return the total payroll.

Sample input:

```
1000 George Washington 10000
2000 John Adams 15000
1212 Thomas Jefferson 34000
1313 Abraham Lincoln 45000
1515 Jimmy Carter 78000
1717 George Bush 80000
```

Sample output:

Sorted by name

ID	Name	Salary
1000	George Washington	\$10000.00
2000	John Adams	\$15000.00
1212	Thomas Jefferson	\$34000.00
1313	Abraham Lincoln	\$45000.00
1515	Jimmy Carter	\$78000.00
1717	George Bush	\$80000.00

Total Payroll: \$262000.00

Grading:

- 30 points, load the vector function
- 30 points, total payroll function
- 20 points, output is displayed as indicated
- 20 points, documentations and style