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Lab: Lab 3

Date: 9/26/2021

# **Program Description**

- This program takes in employee data passed by the test driver and outputs it in a table. Class structurers are used to organize and run the past data. This program was a way to learn how to use class structurers and show how powerful they can be.

### Program Source code

Employee\_main.cpp

### Employee.cpp

```
#include "employee.h"
#include "printMeFirst.h"
  void Employee::setInfo(string name, int idNumber, string department, string position)
      this->name = name;
this->idNumber = idNumber;
      this->department = department;
this->position = position;
  void Employee::setDepartment(string department)
      this->department = department;
  //setPosition
void Employee::setPosition(string position)
  //setName
void Employee::setName(string name)
      this->name = name;
   void Employee::setIdNumber(int idNumber)
      this->idNumber = idNumber;
  string Employee::getName()
48 v int Employee::getIdNumber()
           return idNumber;
52 vstring Employee::getDepartment()
           return department;
     v string Employee::getPosition()
            return position;
     void displayEmployee(Employee employee)
           cout << endl;</pre>
           cout << "Name: " << employee.getName() << endl;</pre>
           cout << "ID Number: " << employee.getIdNumber() << endl;
cout << "Department: " << employee.getDepartment() << endl;</pre>
            cout << "Position: " << employee.getPosition() << endl;</pre>
```

#### Employee.h

```
| manufactors |
```

printMeFirst.cpp

```
C++ printMeFirst.cpp > ...
  1
  2 ~ /*
     Purpose- Prints the information of the developer.
    @author Haichuan Wei
  4
  5
      @version 1.0 9/26/21
      @param name - Haichuan WEi
  6
      @param courseInfo - CS-116 00P C++
  7
      @return-none
  9 */
 10 v #include "printMeFirst.h"
      #include <string>
 12 #include <iostream>
      #include <iomanip>
      #include <ctime>
      using namespace std;
 16 void printMeFirst(string name, string courseInfo)
          cout << "Program written by: " << name << endl;</pre>
          cout << "Course Info: " << courseInfo << endl;</pre>
          time t now = time(\theta);
          char *dt = ctime(&now);
          cout << "Date: " << dt << endl;</pre>
```

#### printMeFirst.h

```
h printMeFirst.h > ...
1  #ifndef LAB_PRINTMEFIRST_H
2  #define LAB_PRINTMEFIRST_H
3  #include <string>
4  using namespace std;
5  void printMeFirst(string name, string courseInfo);
6  #endif //LAB_PRINTMEFIRST_H
7
```

# **Program Output**

My output matches the example

```
$ make clean
rm -rf Employee
                                                                                                                                                                                                                                                                                                                                                                                                                 late Coo/Lab 15 make all
arthur@DESKTOP-UP5LF24:/mmt/c/wsers/Arthur/December employee.cpp printMeFirst.cpp
g++ -fsanitize=address -o Employee employee_main.cpp employee.cpp printMeFirst.cpp

### The company of t
 arthur@DESKTOP-UP5LF24:/
 ./Employee
 Program written by: Haichuan Wei
Course Info: CS-116 Lab 4
Date: Sun Sep 26 18:37:33 2021
 Name: Susan Meyers
 ID Number: 47899
 Department: Accounting
Position: Vice President
 Name: Mark Jones
ID Number: 39119
 Department: IT
 Position: Programmer
Name: Joy Rogers
ID Number: 81774
 Department: Manufacturing
Position: Engineer arthur@DESKTOP-UP5LF24:/ent
```