

main.cpp

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1 /*****
2 * AUTHOR      : Saul Moreno
3 * STUDENT ID  : 269491
4 * ASSIGNMENT# : 4
5 * CLASS      : CS1C
6 * SECTION    : MW 5:00pm
7 * DUE DATE   : 3/27/2020
8 *****/
9
10#include "header.h"
11#include "date.h"
12#include "employee.h"
13#include "programmer.h"
14#include "softwareArchitect.h"
15#include "softwareTester.h"
16
17int main()
18{
19    Employee firstEmployee;    // variable that has access to the class
20    Programmer programOne;     // variable that has access to the class
21    SoftwareArchitect softOne; // variable that has access to the class
22    SoftwareTester *tPtr;      // pointer that points to the class
23    SoftwareTester lived;
24    tPtr = new SoftwareTester;
25
26    //Calls the functions to print out class header
27    PrintHeader("Enhanced Employees", 4, 'A');
28
29    cout << "This Program will display the Data for the C1SCE Employee, The"
30         << " Programmers" << endl
31         << "and Software Architects. It will display all other pertinent data";
32    cout << endl << endl;
33
34    cout << "Data:" << endl << "C1SCEmployees\n\n";
35
36    cout << "These three examples are me just setting the employee's information"
37         << " automatically\n";
38    //Calls function to display the table
39    firstEmployee.DisplayTable();
40    //Calls the function to set the initial values
41    firstEmployee.SetInitial("Joe Calculus", 64879, "949-555-1234", 42, 'M',
42                            "Math Wiz", 110000, "8/31/2017");
43    //Calls the functions to display the employee's information
44    firstEmployee.Display();
45    cout << endl;
46    //Calls the function to set the initial values
47    firstEmployee.SetInitial("Mary Algebra", 76309, "213-555-5555", 22, 'F',
48                            "Math Wiz", 170123, "5/08/2017");
49    //Calls the functions to display the employee's information
50    firstEmployee.Display();
51    cout << endl;
52    //Calls the function to set the initial values
53    firstEmployee.SetInitial("Jo Trig", 12345, "714-703-1234", 29, 'F',
54                            "Math Contact", 200000, "12/25/2016");
55    //Calls the functions to display the employee's information
56    firstEmployee.Display();
57    cout << endl << endl;
```

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58 //Call the function to display the table top
59 tPtr->Display();
60 cout << endl;
61 //Call the function to set the employee's address
62 lived.Address(tPtr, "1234 Main Avenue", "Laguna Niguel", "CA",
63                 "92677");
64 cout << endl;
65 //Call the function to set the employee's address
66 lived.Address(tPtr, "3333 Marguerite Pwky", "Mission Viejo", "CA",
67                 "92646");
68 cout << endl;
69 //Call the function to set the employee's address
70 lived.Address(tPtr, "9876 Elm Street", "San Clemente",
71                 "CA", "92672");
72
73 return 0;
74 }
75
```