```cpp
1 /************************************************************************
2  * PROGRAMMER : Ali Eshghi
3  * STUDENT ID : 1112261
4  * CLASS       : CS1C
5  * SECTION     : MW 5pm
6  * Assign #4   : Enhanced Employee
7  * DUE DATE    : 26 Febuary 2020
8  ************************************************************************/
9
10 #include "MyHeader.h"
11
12 /************************************************************
13  * CS1C Corporation
14  * _____
15  * This program prints out the data from the list of the
16  * employee of the corporation using the classes method and
17  * Inheritance of the classes and passing the data through
18  * the method functions of the class
19  * _____
20  * INPUT: N/A
21  *
22  * OUTPUT: table of the employees with their information
23  *         (Name, Id, Phone #, Age, Gender, Job title,
24  *         Salary, Hire date) and then the programmers
25  *         information, same as the employees (with the
26  *         additional information of Department #,
27  *         supervisor's name, Raise Increase %, C++
28  *         knowledge, and Java knowledge) and the Software
29  *         Architect with the same information but
30  *
31  ************************************************************/
32
33 int main()
34 {
35     //Variables
36
37     date    date;        //PROCESS - date class type variable
38     employee    employee;   //PROCESS - employee class type variable
39     softTester  softTester1(" ", " ", " ", 0); //PROCESS - softTester
40                                       // class type variable
41     softTester  softTester2 = softTester1;  //PROCESS - calling the copy constructor
42
43
44     cout << "Software testers:" << endl << endl;
45
46     cout << left;
47     cout << setw(15)  << "Name"      << setw(9) << "ID"    << setw(15)
48         << "Phone #" << setw(7)     << "Age"    << setw(9) << "Gender"
49         << setw(15)  << "Job title" << setw(15) << "Salary"
50         << setw(15)  << "Hire date" << endl;
51     cout << "--------------------------------------------------";
52     cout << "--------------------------------------------------";
53     cout << endl;
54
55
56     //passing the employees information
57     //to the methods to set the data
58
59     employee.setName("Joe Calculus");
```

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60     employee.setId("64879");
61     employee.setPhoneNumber("949-555-1234");
62     employee.setAge(42);
63     employee.setGender('M');
64     employee.setJobTitle("Math Wiz");
65     employee.setSalary(110000);
66     employee.setDate(31,8,2017);
67
68     //printing the information
69     employee.print();
70
71     //passing the employees information
72     //to the methods to set the data
73
74     employee.setName("Mary Algebra");
75     employee.setId("76309");
76     employee.setPhoneNumber("213-555-5555");
77     employee.setAge(22);
78     employee.setGender('F');
79     employee.setJobTitle("Math Helper");
80     employee.setSalary(170123);
81     employee.setDate(8,5,2017);
82
83     //printing the information
84     employee.print();
85
86     //passing the employees information
87     //to the methods to set the data
88
89     employee.setName("Joe Trig");
90     employee.setId("10192");
91     employee.setPhoneNumber("714-703-1234");
92     employee.setAge(29);
93     employee.setGender('F');
94     employee.setJobTitle("Math Contact");
95     employee.setSalary(200000);
96     employee.setDate(25,12,2016);
97
98     //printing the information
99     employee.print();
100
101
102    cout << endl << endl;
103    cout << left;
104    cout << setw(15)  << "Name"       << setw(23) << "Address"    << setw(15)
105         << "City" << setw(7)      << "State"    << setw(9) << "Zip Code"
106         << endl;
107    cout << "------------------------------------------------";
108    cout << "------------------------------------------------";
109    cout << endl;
110
111    //passing the software Tester information
112    //to the employees methods to set the data
113
114    softTester1.setName("Joe calCules");
115    softTester1.changeAddress("1234 Main Avenue");
116    softTester1.changeCity("Laguna Niguel");
117    softTester1.changeState("CA");
118    softTester1.changeZipCode(92677);
```

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119
120    //printing the employee informations of the software tester
121    softTester1.softTesterDisplay();
122
123    //passing the software Tester information
124    //to the employees methods to set the data
125
126    softTester1.setName("Mary Algebra");
127    softTester1.changeAddress("3333 Marguerite Pkwy");
128    softTester1.changeCity("Mission Viejo");
129    softTester1.changeState("CA");
130    softTester1.changeZipCode(92646);
131
132    //printing the employee informations of the software tester
133    softTester1.softTesterDisplay();
134
135    //passing the software Tester information
136    //to the employees methods to set the data
137
138    softTester1.setName("jo Trig");
139    softTester1.changeAddress("9876 Elm Street");
140    softTester1.changeCity("San Clemente");
141    softTester1.changeState("CA");
142    softTester1.changeZipCode(92672);
143
144    //printing the employee informations of the software tester
145    softTester1.softTesterDisplay();
146
147    return 0;
148 }
149
150
```