

programmer.cpp

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1 /*****
2  * AUTHOR      : Saul Moreno
3  * STUDENT ID  : 269491
4  * ASSIGNMENT# : 2
5  * CLASS       : CS1C
6  * SECTION     : MW 5:00pm
7  * DUE DATE    : 1/29/2020
8  *****/
9
10 #include "programmer.h"
11
12 Programmer::Programmer()
13 {
14     departNumber = 0; // - sets employee's department name
15     percentInc = 0;   // - sets employee's percent increase
16     cppIdn = 'Y';     // - sets employee's c++ knowledge
17     javaIdn = 'Y';
18 }
19
20 Programmer::~Programmer()
21 {
22
23 }
24
25 /*****
26 *FUNCTION - SetInitial
27 *
28 *This function set the initial values for the employee
29 *
30 *PRE-CONDITIONS
31 * dNumber: has to be previously defined.
32 * sName : has to be previously defined.
33 * pInc : has to be previously defined.
34 * cIdn : has to be previously defined.
35 * javId : has to be previously defined.
36 *POST-CONDITIONS
37 * departNumber - sets the new value for employee's department number.
38 * supervisorName - sets the new value for employee's supervisors name.
39 * percentInc - sets the new value for employee's salary % increase.
40 * cppIdn - sets the new value for employee's C++ knowledge status(Y/N).
41 * javaIdn - sets the new value for employee's Java knowledge status(Y/N).
42 *****/
43 void Programmer::SetInitial(string eName, int dNumber, string sName, int pInc,
44                             string cIdn, string javId)
45 {
46     Employee::ChangeEmployeesName(eName);
47     departNumber = dNumber;
48     supervisorName = sName;
49     percentInc = pInc;
50     cppIdn = cIdn;
51     javaIdn = javId;
52 }
53
54 /*****
55 *FUNCTION - CdepartmentNum
56 *
57 *This function changes the employee's department number.
```

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```
58 *
59 *PRE-CONDITIONS
60 * dNum: has to be previously defined.
61 *
62 *POST-CONDITIONS
63 * departmentNumber- sets the new value for the employee's department number.
64 *
65 *****/
66 void Programmer::ChangeDepartmentNum(int dNum)
67 {
68     departNumber = dNum;
69 }
70
71 /*****
72 *FUNCTION - CsupervisorName
73 *
74 *This function changes the employee's supervisors name.
75 *
76 *PRE-CONDITIONS
77 * sName: has to be previously defined.
78 *
79 *POST-CONDITIONS
80 * supervisorName - sets the new value for the employee's supervisor.
81 *
82 *****/
83 void Programmer::ChangeSupervisorName(string sName)
84 {
85     supervisorName = sName;
86 }
87
88 /*****
89 *FUNCTION - CpercentInc
90 *
91 *This function changes the employee's salary percent increase.
92 *
93 *PRE-CONDITIONS
94 * pInc: has to be previously defined.
95 *
96 *POST-CONDITIONS
97 * percentInc- sets the new value for the employee's percent increase.
98 *
99 *****/
100 void Programmer::ChangePercentInc(int pInc)
101 {
102     percentInc = pInc;
103 }
104
105 /*****
106 *FUNCTION - CcppIdentifier
107 *
108 *This function changes the employee's c++ status to (Y/N).
109 *
110 *PRE-CONDITIONS
111 * cIdent: has to be previously defined.
112 *
113 *POST-CONDITIONS
114 * cppIden- sets a (Y/N) value.
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115 *
116 *****/
117 void Programmer::ChangeCppIdentifier(string cIden)
118 {
119     cppIden = cIden;
120 }
121
122 /*****
123 *FUNCTION - ChangeEmployeesPhone
124 *
125 *This function changes the employee's java status (Y/N).
126 *
127 *PRE-CONDITIONS
128 * jIden: has to be previously defined.
129 *
130 *POST-CONDITIONS
131 * javaIden- sets a (Y/N) value.
132 *
133 *****/
134 void Programmer::ChangeJavaIdentifier(string jIden)
135 {
136     javaIden = jIden;
137 }
138
139 /*****
140 *FUNCTION - DisplayTable
141 *
142 *This function will print out the table heading.
143 *
144 *PRE-CONDITIONS
145 * This is a void function
146 *
147 *POST-CONDITIONS
148 * This will not change anything member variables
149 *
150 *****/
151 void Programmer::DisplayTable() const
152 {
153     #include <iomanip>
154     cout << left;
155
156     cout << setw(SET_NAME) << "Name" << setw(SET_ID) << "Department"
157         << setw(18) << "Supervisor Name" << setw(SET_DATE) << "Raise %"
158         << setw(SET_TITLE) << "C++ Knowledge" << setw(SET_ID)
159         << "Java Knowledge" << endl;
160     cout << right;
161 }
162
163 /*****
164 *FUNCTION - Display
165 *
166 *This function will print out all the information that was stored.
167 *
168 *PRE-CONDITIONS
169 * This is a void function
170 *
171 *POST-CONDITIONS
```

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172 * This will not change anything member variables
173 *
174 *****/
175 void Programmer::Display() const
176 {
177     string eName;
178     //Employee::Display();
179     //Employee::ChangeEmployeesName(eName);
180 #include <iomanip>
181     cout << left;
182
183     cout << setw(SET_NAME) << employeeName << setw(SET_ID) << departNumber
184         << setw(18) << supervisorName << setw(SET_DATE) << percentInc
185         << setw(SET_TITLE) << cppIden << setw(SET_ID)
186         << javaIden << endl;
187     cout << right;
188
189 }
190
```