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... ol \verb|\Computer Science| CMPR121\\| Homework\\| HW\_1\\| HW\_1\\| Source.cpp
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```
1 // Attached: HW_1a, HW_1b
2 //
4 // File: HW-1a
6 // Programmer: Stephen Moye
7 // Class: CMPR 121 Tuesday
8 // Instructor: Dennis Rainey
9 //
10 //
    Description:
11 // This function calculates the amount of a sale, the
12 // commission of the sale, and the total pay.
15 #include <iostream>
16 #include <iomanip>
17
18 using namespace std;
19
20 int getSalesAmt();
21 int calcCommission(float sales);
22 int calcPay(float commission);
23 void displayPay(float sales, float commission, float total);
25 const float BASE_PAY = 2500.00;
26
28 // main
30 int main() {
    float sales = 0;
31
32
    float commission = 0;
33
    float total = 0;
34
35
  sales = getSalesAmt();
    commission = calcCommission(sales);
36
37
    total = calcPay(commission);
38
    displayPay(sales, commission, total);
39
40
    return 0;
41 }
43 // end of main
45
46
47
49 // getSalesAmt
51 // This function prompts the user to enter their monthly sales in dollars
52 //
```

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```
53 // Input:
       no parameters
54 //
55 // Output:
56 //
       the dollar amount of sales as a float, returns to main()
58 int getSalesAmt()
59 {
60
     float sales;
61
62
     cout << "Enter monthly sales amount: " << endl;</pre>
63
     cin >> sales;
64
65
    return sales;
66 }
68 // end of getSalesAmt
70
71
72
73 // ------
74 // calcCommission
76 // This function takes the value of sales and tests it against 3 commission
77 // that determine the percentage of commission from the calculation.
78 //
79 // Input:
80 //
       sales - the dollar amount in sales, passed from main()
81 // Output:
       the commission amount is calculated by a percentage of the sales amount
82 //
83 //
       and returned to main()
85 int calcCommission(float sales)
86 {
87
     int commission;
88
89
     if (sales > 50000)
90
        commission = sales * .02;
91
     else if (sales >= 25000 && sales <= 50000)
92
       commission = sales * .015;
93
     else
94
       commission = 0;
95
96
     return commission;
97 }
98 // ------
99 // end of calcCommission
101
102
103
```

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104 //
    ______
105 // calcPay
106 // ------
107 // This function calculates the total monthly pay for the sales worked
108 // adding the commission to the base pay
109 // Input:
110 //
       commission - the dollar amount in commission result from calcCommission
111 // Output:
112 //
       the total pay is calculated and returned to main()
113 // ------
114 int calcPay(float commission)
115 {
116
     float total;
117
     total = commission + BASE PAY;
118
119
     return total;
120 }
121 // ------
122 // end of calcPay
124
125
126
128 // displayPay
130 // This function calculates the total monthly pay for the sales worked
131 // adding the commission to the base pay
132 // Input:
133 //
       commission - the dollar amount in commission result from calcCommission
134 // Output:
135 //
       the total pay is calculated and returned to main()
136 // ------
137 void displayPay(float sales, float commission, float total)
138 {
```

```
cout << "Monthly sales:\t $ " << setprecision(2) << fixed << sales << endl << ➤
139
           end1;
        cout << "Commission:\t $ " << setprecision(2) << commission << endl << endl;</pre>
140
        cout << "Base Pay:\t $ " << setprecision(2) << BASE_PAY << endl << endl;</pre>
141
142
        cout << "Total Pay:\t $ " << setprecision(2) << total << endl << endl;</pre>
143
144
        char again;
145
        cout << "Do it again? (Y/N) ";</pre>
146
147
        cin >> again;
148
        if (toupper(again) == 'Y')
149
150
151
           main();
152
        }
153 }
154 //
        ______
```

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155	//	end of displayPay	
156	//		=