

Student Name _____ Section _____
 Instructor _____ Due Date _____

Thoroughly read the objectives, instructions and requirements of each of list quiz packet and then use suitable electronic technology tools to solve the projects. Submit both your program source code, with your name, date and course information in the heading portion of your code, as well as the required output(s).

Quiz Project (Salesperson's Commission) **100 Points** _____ **score**

Elston Enterprises currently uses commission scales of 10 % , 15 % , 20 % and 25 % to determine the dollar amount of the commission of their salespersons. The current program used by Elston to compute the weekly commission of its sales staff is shown in **Figure 1** , which follows. The program asks for the salesperson name, the gross sales and the commission level and then returns the salesperson name followed on the same line by the salesperson commission.

Write, compile and run a modified version of this program which not only asks for the salesperson name, gross sales and commission level, but also requests the user to input the base pay of the salesperson. Your modified program should then output the salesperson name, followed on the next line by both the commission and the gross pay, which is computed by adding the commission to the base pay.

Also, modify the program to include, in the gross pay, an additional \$ 50 bonus for any salesperson whose commission is \$ 500.00 or more.

In addition to the above modifications, add another commission level to your program. Include level 5 which is used to yield a commission of 30 %.

Display all totals in a report - style format showing the company name, current date, the salesperson's name, the base pay amount, the gross sales and the commission.

Use the sample table of information below to run your program. Print separately the output of your program for each of the salespersons listed within the table. Then print your overall totals report. Attach the hardcopies to this quiz packet for credit.

<i>Salesperson</i>	<i>Commission Level</i>	<i>Base Pay</i>	<i>Gross Sales</i>
Ann Andrews	2	\$ 520.00	\$ 213.00
Conrad Conn	3	\$ 310.00	\$ 4,380.50
Danny Davies	1	\$ 520.00	\$ 10,920.00
Frankie Fox	2	\$ 310.00	\$ 833.75
Manny Morgan	4	\$ 475.00	\$ 1,580.00
Mandy Morgan	5	\$ 280.00	\$ 1,250.00

Also, print your program code and attach the hardcopy to this quiz packet for credit.

Student Name _____ Section _____

Quiz Project (Salesperson's Commission)**Figure 1 Salesperson's Commission Program**

```
#include <iostream>
#include <iomanip>
using namespace std;
//Programmer: Sammy Student
int main ()
{
    char name[30];
    int type;
    float sales, commission;
    cout << "Enter salesperson's name: " << endl;
    cin.getline(name, 30);
    cout << "Enter the salesperson's gross sales: " << endl;
    cin >> sales;

    cout << "Enter commission level: " << endl;
    cin >> type;
    switch(type)
    {
        case 1:
            commission = .1 * sales; break;
        case 2:
            commission = .15 * sales; break;
        case 3:
            commission = .2 * sales; break;
        case 4:
            commission = .25 * sales; break;
        default:
            {
                cout << "Commission level is invalid.\n";
                commission = 0;
            }break;
    }
    cout << "\n\n";
    cout << "Employee Name\t" << "Commission" << endl;
    cout << " _ _ _ _ _ _ _ _\t" << " _ _ _ _ _ _ _ _\n" << endl;
    cout << setw(8) << name << setw(5)
        << setiosflags(ios::fixed | ios::showpoint)
        << setprecision(2) << "$ " << commission << endl;
    cout << "\n\n";
    return 0;
}
```