


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Programming Fundamentals	Course Code:	CS1002
	Program:	Electrical Engineering	Semester:	Fall 2023
	Duration:	15 minutes	Total Marks:	10
	Exam Date:	7 September 2023	Weight:	3.33
	Section:	EE-1C -2	Page(s):	2
	Exam Type:	Quiz-1 Solution	CLO #	1

Student Name: _____ Roll No. _____ Section: _____

Instruction/Notes: 1. Do not forget to write your Name and Roll Numbers.
2. Solve on the paper and Return.

Question No. 1

Marks: 10

One large chemical company pays its salespersons on a commission basis. The salespersons receive \$200 per week plus 9 percent of their gross sales for that week. For example, a salesperson who sells \$5000 worth of chemicals in a week receives \$200 plus 9 percent of \$5000, or a total of \$650. Write a C++ program that will input a salesperson's gross sales for last week and calculate and display that salesperson's earnings.

Sample Run:

Enter the name of the salesperson: Peter

Enter sales in dollars: 6000.00

Salary of Peter for this week is: \$740.00

Solution:

```
#include <iostream>
#include <string>
#include <iomanip>
using namespace std;

int main( )
{
    float sales, salary;
    string name;

    cout<<fixed<<showpoint<<setprecision(2);

    cout<<"Enter the name of the salesperson:";
    cin>>name;
    cout<<"Enter sales in dollars:";
    cin>>sales;

    salary = 200 + (sales * 0.09);

    cout<<"Salary of "<<name<<"for this week is: $"<<salary;

    return 0;
}
```