**LAB 3**

**Task 1**

Write a complete C# application to prompt the user for the call method to calculate the volume:

double radius of a sphere, and SphereVolume to calculate and display the volume of the sphere.

Use the following statement:

double volume = ( 4.0 / 3.0 ) \* Math.PI \* Math.Pow( radius, 3 )

**Task 2**

(Sales Commissions)

Use a one-dimensional array to solve the following problem: A company pays its salespeople on a commission basis. The salespeople receive $200 per week plus 9% of their gross sales for that week. For example, a salesperson who grosses $5000 in sales in a week receives $200 plus 9% of $5000, or a total of $650.

Write an application (using an array of counters) that determines how many of the salespeople earned salaries in each of the following ranges (assume that each salesperson’s salary is truncated to an integer amount):

a) $200–299

b) $300–399

c) $400–499

d) $500–599

e) $600–699

f) $700–799

g) $800–899

h) $900–999

i) $1000 and over

Summarize the results in tabular format.