

You may be asked to demonstrate/explain your work to the tutor, if you are absent/unavailable or fail to demonstrate properly, zero marks will be awarded.

Text book: Deitel, H M & Deitel, P J 2013, C: How to program, 7th edn, Pearson Prentice-Hall, Upper Saddle River, New Jersey.

Marks will be deducted (-0.25) if the submission format is not right.

Submission Format: Copy and paste the question and then write your answer. If it is a programming question copy and paste your code from text editor followed by the screenshots of the output window. Marks will be deducted if this format is not followed. You need to follow the exact sequential number as in the tut sheet. Submit a single file

Week 10

1. Write a complete program that prompt the user for the radius of a sphere and calculates and prints its volume. Use an inline function sphereVolume that returns the result of the volume.
2. Determine whether the following program segments contain error(s), then for each error found explain how to correct it.

a.

```
void printResults( int x, int y ){
    cout << "The sum is " << x + y << '\n' ;
    return x + y;
}
```

b.

```
int
main () { cout << "Hello World!" return 0; }
```

3. Write a complete C++ program with the two alternate functions specified below.

These functions will double the variable count defined in main.

- a. Function doubleByValue that passes a copy of count by value, double the copy and returns the new value.
- b. Function doubleByReference that passes count by reference via a reference parameter, double the original value of count through its alias, i.e. the reference parameter.