

CS120 Lab 6 Section 6

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October 9, 2014

Quiz for Week 5 Answers

Write the prototype/declaration and the code/definition for a function that takes a double as input and returns the square of the double as the function's output. The rest of the program, including main(), is given.

```
#include <iostream>
#include <cmath>
using namespace std;
double my_function(double);
int main(){
    double x = 4.5;
    double y;
    y = my_function(x);
    cout << y << endl;
}
double my_function(double x) {
    // return pow(x, 2);
    return x * x;
}
```

Quiz for Week 6 Answers

All of the following questions are based on the class position, which is defined as:

```
class position {  
private:  
    int x;  
    int y;  
public:  
    int distance();  
};
```

- ▶ Write the code to declare a single object named **center** of type position:
position center;
- ▶ Write code to have the object named center call the **distance()** function.
center.distance();

Quiz for Week 6 Answers (continued)

All of the following questions are based on the class position, which is defined as:

```
class position {  
private:  
    int x;  
    int y;  
public:  
    int distance();  
};
```

- ▶ What are the data members of the class?
x and y.
- ▶ What are the member functions (methods) of the class?
distance().
- ▶ If there was a constructor function for this class, what would the name of the function be?
position()

Scores of Quiz Week 5

► Quiz for Week 5 Distribution:

Score	0	1	2	3	4	5	Missed
Section 4 Count (22)	4	4	1	2	7	3	1
Section 6 Count (24)	1	1	2	4	6	2	8

Lab 6 Specific Requirements

- ▶ **cscheckin:**
 - ▶ **Source Program** only
 - ▶ program name: **Lab6Sec4.cpp**
- ▶ **Hard Copy:**
 - ▶ **Source Program:** Lab6Sec4.cpp
 - ▶ **Script Output** of the program:
 - ▶ make sure **./a.out** execute the modified parts of your program.