CS120 Lab 6 Section 4

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October 7, 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();

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.