

# CS120 Lab 7 Section 4

Heyan Huang

October 14, 2014

## 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()**

## Quiz for Week 7 Answers

(5 pt) Answer the following questions based on the following array declaration:

```
int hand[5];
```

- ▶ How many elements (pieces of data) can the array hand store?

Answer: 5

Declare an array:

```
int arrayName [ lengthOfArray ];
```

and `int` is arrayName's Data Type.

- ▶ The index of the first element of the array?

Answer: 0

Array indices are 0-based.

- ▶ What is the index of the last element of the array?

Answer: 4

Since array indices are 0-based, index of the last element of the array comes out to be `lengthOfArray - 1`.

## Quiz for Week 7 **Answers** (continued)

(5 pt) Answer the following questions based on the following array declaration:

```
int hand[5];
```

- ▶ Write a line of code to assign the second element of the array the value 7.

Answer: `hand[ 1 ] = 7;`

Since array indices are **0-based**, index of the **second** element of the array comes out to be **2 - 1**, and continue...

- ▶ Write a line of code to print the last element of the array.

Answer: `cout << hand[ 4 ];`

Since array indices are **0-based**, index of the **last** element of the array comes out to be **lengthOfArray - 1**, and continue...

# Scores of Quiz Week 6

## ► Lab 5 Score Distribution

Score	8.5	9	9.5	10	Missed
Section 4 Count (22)	1	2	8	9	2
Section 6 Count (24)	0	10	0	3	11

## ► Quiz for Week 6 Distribution:

Score	0	1	2	3	4	5	Missed
Section 4 Count (22)	1	1	3	7	5	3	2
Section 6 Count (24)	0	0	2	9	3	3	7

## ► Lab 6 Score Distribution

Score	9	11	12	13	Missed
Section 4 Count (22)	0	1	8	11	2
Section 6 Count (24)	2	2	1	9	10

# Lab 6 Specific Requirements

- ▶ **cscheckin:**
  - ▶ **Source Program** only
  - ▶ program name: **Lab7Sec4.cpp**
- ▶ **Hard Copy:**
  - ▶ **Source Program:** **Lab7Sec4.cpp**
  - ▶ **Script Output** of the program:
- ▶ **Extra Credits:**
  - ▶ **Extra Work** are required in order to extra points.
  - ▶ It won't be easy to get all **3** extra credits, so make sure you make effort to earn them.