

## 5-2) Iterator Quiz

**Due** No due date      **Points** 4      **Questions** 4**Available** Sep 24 at 12am - Sep 24 at 11:59pm 1 day**Time Limit** None

### Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	3 minutes	1 out of 4

Score for this quiz: **1** out of 4

Submitted Sep 24 at 12:35pm

This attempt took 3 minutes.

#### Question 1

**0 / 1 pts**

To get the data out of anode, the user would use  
m\_Head->mData.

You Answered

☒ True

Correct Answer

☐ False

Information hiding. User can only use what we give them.

#### Question 2

**1 / 1 pts**

To loop through a list is one of the most common reasons you'll use a list. What is the for-loop that loops through a list?

**Correct!**

- ☒ `for( auto iter = iter.begin(); iter != iter.end(); iter++ )`
- ☐ `for( int iter = myList.begin(); iter != myList.end(); iter++ )`
- ☐ `for( auto iter = myList.begin(); iter = myList.end(); iter++ )`
- ☐ `for( auto iter = myList.begin(); iter != myList.end(); iter++ )`

Say that line to yourself one hundred times each night before bed.



### Question 3

0 / 1 pts

Visualize the list below. A and B are iterators to the data they are under. A and B are equal.

4	2	6	8	2	3	5	5	5
A				B				

**You Answered**

☒ True

**Correct Answer**

☐ False

Iterator equality means they are referring to the same item.  
Iterators don't care if the data is equal.

#### Question 4

0 / 1 pts

```
Rock A;  
Rock B;  
A.num = 3;  
B.num = 5;  
list<Rock> X;  
X.push_back(A);  
X.push_back(B);  
A.num = 7;
```

Looking to the list X, what is the value for num for the first rock in the list?

7

0 / 1 pts Answered

Correct Answers

3 (with margin: 0)

Objects get copied in to containers, but when you access them they don't get copied out. Syntactically that's easy since the user has to go through the iterator and the iterator knows what is going on. Conceptually it's a little weird, I agree.

Quiz Score: **1** out of 4

