Quiz 02

Due Sep 9 at 12pm   **Points** 10   **Questions** 10   **Time Limit** None

Instructions

There is no time limit, but you may only make one submission.

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	19 minutes	10 out of 10

Score for this quiz: **10** out of 10
Submitted Sep 1 at 1:20am
This attempt took 19 minutes.

Question 1   1 / 1 pts

A method header consists of which of the following parts?

○ the return type, the name of the method, and a list of the parameters (if any)

Correct!

◉ an access specifier, a return type, a method name, and a list of the parameters (if any)

○ the type of the instance variable, an access specifier, and a list of the parameters (if any)

○ an access specifier, the type of the instance variable, and the name of the instance variable

---

Question 2

1 / 1 pts

What verifies that a class works correctly in isolation, outside a complete program?

○ enumeration

Correct!

◉ unit test

○ abstraction

○ encapsulation

Question 3

1 / 1 pts

We want to change the `BankAccount` class so that all accounts will have a monthly fee. Which of the following will properly define the instance variable `monthlyFee` that holds the monthly fee?

○ `monthlyFee: double;`

Correct!

◉ `private double monthlyFee;`

○ `private field monthlyFee;`

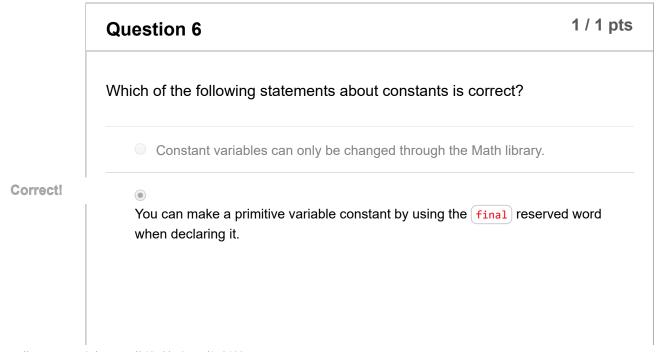○ `instance var monthlyFee;`

Question 4

1 / 1 pts

Except for very uncommon cases, the access specifier in the declaration of instance variables should be:
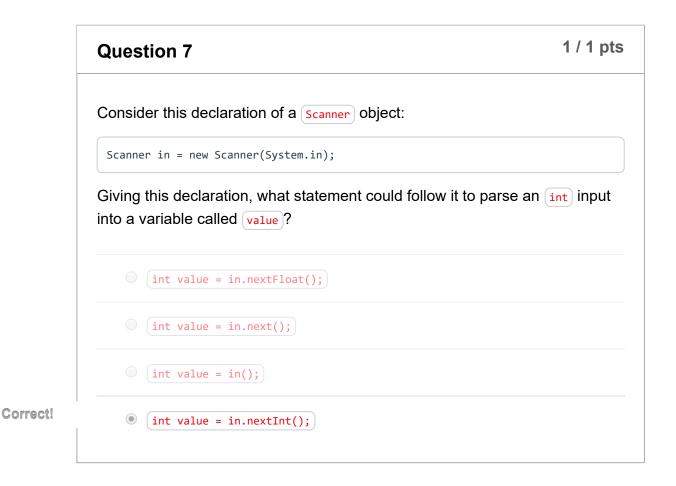
Correct!

- ⦿ private

- ○ class

- ○ protected

- ○ public

Question 5   1 / 1 pts

Encapsulation allows a programmer to use a object of a class without having to know its:

Correct!

- ⦿ implementation

- ○ methods

- ○ interface

- ○ name

Question 6   1 / 1 pts

Which of the following statements about constants is correct?

- ○ Constant variables can only be changed through the Math library.

Correct!

- ⦿
  You can make a primitive variable constant by using the `final` reserved word when declaring it.

○ Constants are written using capital letters because the compiler ignores constants declared in small letters.

○ The value of a constant can be changed using an assignment statement.

Question 7   1 / 1 pts

Consider this declaration of a `Scanner` object:

```
Scanner in = new Scanner(System.in);
```

Giving this declaration, what statement could follow it to parse an `int` input into a variable called `value`?

○ `int value = in.nextFloat();`

○ `int value = in.next();`

○ `int value = in();`

Correct!   ◉ `int value = in.nextInt();`

Question 8   1 / 1 pts

Which option represents the best choice for a variable name to represent the average grade of students on an exam?

○ `AveGd`

○ `avg`

Correct!   ◉ `averageGrade`

$averageGrade

Question 9   1 / 1 pts

Which one of the following statements defines a constant with the value 123?

○ `const int MY_CONST = 123;`

○ `static int MY_CONST = 123;`

○ ```
final int MY_CONST = 0;
MY_CONST = 123;
```

**Correct!**   ◉ `static final int MY_CONST = 123;`

---

## Question 10                                                   1 / 1 pts

Assume the following variables have been declared and given values as shown:

```
String str = "0123456789";
String sub = str.substring(3, 4);
```

What is the value of `sub`?

○ `"345"`

Correct!   ◉ `"3"`

○ `"34"`

    ◯ "3456"

Quiz Score: **10** out of 10

    ◯ "3456"