



Peer Instruction 8

# Classes and Objects





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Which of the following statements about Java classes is incorrect?

- A. Classes are templates for creating objects.
- B. Classes can contain methods and data, but not imports.
- C. Classes cannot be instantiated from other classes.
- D. Classes are almost always defined as public.
- E. Multiple objects can be instantiated from a single class.

Class Definition



cs163/164, Peer 8 - Classes and Objects - Fall Semester 2016 Question - 1




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Which of the following statements about Java classes is incorrect?

- A. Classes are templates for creating objects.
- B. Classes can contain methods and data, but not imports.
- C. **Classes cannot be instantiated from other classes.**
- D. Classes are almost always defined as public.
- E. Multiple objects can be instantiated from a single class.

Class Definition



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### What is the best reason to instantiate a class in Java?

- 1. So that you can store data in class (static) variables.
- 2. So that you can store data in instance (non-static) variables.
- 3. So that you can call class (static) methods.
- 4. So that you can call instance (non-static) methods.
- 5. In order to access private data and methods in the class.

- A. 1) and 3)    C. 2) and 3)    E. 1) and 5)
- B. 1) and 4)    D. 2) and 4)

Choose the best answer



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Question - 3




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### What is the best reason to instantiate a class in Java?

- 1. So that you can store data in class (static) variables.
- 2. So that you can store data in instance (non-static) variables.
- 3. So that you can call class (static) methods.
- 4. So that you can call instance (non-static) methods.
- 5. In order to access private data and methods in the class.

- A. 1) and 3)    C. 2) and 3)    E. 1) and 5)
- B. 1) and 4)    D. 2) and 4)

Choose the best answer



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Question - 4




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### From which of the following locations can you instantiate a Java class?

- A. From a method in another class
- B. From a method within the same class
- C. As an instance variable in another class
- D. As an instance variable in the same class
- E. All of the above, and more besides!

Choose the best answer



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Question - 5




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From which of the following locations can you instantiate a Java class?

- A. From a method in another class
- B. From a method within the same class
- C. As an instance variable in another class
- D. As an instance variable in the same class
- E. **All of the above, and more besides!**

Class Instantiation



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Question - 6



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