

True/False

1. RAM is considered to be secondary storage.
2. IDE is an acronym for the first computer.
3. Two methods with the same name but different parameter lists are examples of overloaded methods.
4. It is a good idea to alias object variables especially as a beginner programmer.
5. `System` is capitalized in our hello world program because `System` is a class.
6. Javadoc comments begin with `//`
7. An object reference is considered to be a memory address.
8. The statement
`Rectangle rectA = new Rectangle(1, 2, 3, 4);`
is valid and compiles with no errors.
9. All packages from the `java.lang` class are imported automatically.
10. Instance fields are generally public rather than private.

Fill-in-the-Blank

11. Another name for an instance field is a(n) _____.
12. An example of a low-level language is _____.
13. An example of an IDE is _____.

Write the Code

14. Write a complete class named `Parallelogram` that includes two integer instance fields named `base` and `height`, a default constructor, another constructor that accepts two integer parameters and uses them appropriately, a method named `computeArea` that returns the area of the `Parallelogram` object, and a modifier method for each instance field.

15. ON THE BACK OF THIS PAPER, write a test class named `ParallelogramTest` that constructs a `Parallelogram` object named `object1` using the default constructor. The test class should then set the height and base of `object1` to 30 and 50, respectively. Then, the test class must display the area of `object1` with an appropriate output message.