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|  | TO DO LIST for writing a class in a Free Response |
|  | Class Header |
| Header | |  |  | | --- | --- | | 1 | Write the class header: public **class** Boo | |
|  | Private Instance Variables |
| PIVs | |  |  | | --- | --- | | 1 | Read the FR description for the class. Pay close attention to the description of the constructor. If an example call to the constructor is given, the actual parameters give you a big hint about the instance variables that you will need for this class. | | 2 | Write private instance variables for the class.   * If you are given a sample constructor call, remember that the parameters in that call are there for a reason. Usually, each parameter needs a private instance variable buddy. Declare private instance variables to match the parameters | |
|  | Constructor |
| Constructor | |  |  | | --- | --- | | 1 | The purpose of a constructor is to initialize the state (PIVs) of the object. | | 2 | Write the constructor or constructors per the problem's specifications. If a sample constructor call is given, be sure to pay attention to the actual parameters in that call and create appropriately typed formal parameters in your constructor. | | 3 | Initialize the private instance variables. Assign each private instance variable a value – either the value of their parameter buddy, or a default state as specified in the problem statement. | |
|  | methods |
| Methods | |  |  | | --- | --- | | 1 | Write all the methods for this class as described in the specifications for the problem. | | 2 | Be sure to write a complete method header for each method created.   * If you are given a sample method call, remember that the parameters in that call are there for a reason. Be sure to declare a formal parameter in the method header that matches the type of the actual parameter in the sample method call. * If a method is a return method, be sure that the header reflects the type the method should return * If it is a void method, be sure the method header declares the method as a void method. | | 3 | Write the body of the method according to the specifications for the problem.   * If a method is a return method, return the correct type of value. * If it is a void method, do not return anything! | |