## Gnomes

(1)	Write a method in class Gnome that sets the buddy of a gnome to the gnome specified as parameter.
	public void setBuddy (Gnome g)
(2)	How does a gnome look like after the following:
	Gnome g;
(3)	How does a gnome look like after the following:
	<pre>Gnome g; g = new Gnome();</pre>
(4)	What does it mean for the instance variables of a class to be (a) private (b) public

(5)	When designing a class, what are the guidelines on what is public and what is private?
(6)	Write a piece of code that tests class Gnome; for e.g. you could create 3 gnome called Grumpy, Goofy and Dummy; make Goofy the buddy of Grumpy, Dummy of Goofy, and Grunpy of Dummy.
(7)	Write a method that prints the buddy of a gnome.
(8)	Write a method that prints the buddy of the buddy of a gnome.
(9)	How would you modify the class in order to keep track of how many gnomes have been created?

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