

Java Objects Fill-in-the-blank #1: Donuts and Cars

Part A: Instantiation

In Java, the I	keyword	new	instructs the	
jvm		to create an _	instructs the instance	of the
specified	class	in	memory. Each new	own set of the member
object		we constri	uct is made with its o	own set of the member
variables and	d method :	specified on the l	blueprint class. In ou	r Donut example, each
ins	tance	of our _	Donut	class had two int percentRemaining.
Men	nber varia	ables	: String name and	int percentRemaining.
		d client classes		
Our java pro	grams nov	v involve two or r	more classes of our c	own design: one we
call the	_blueprint	<u> </u>	class because it act	s as an instruction
sheet for	constru	cting	class because it act objects of that	
class		Blueprint c	lasses will NOT conta d therefore cannot s	ain the program's
main n	nethod	, an	d therefore cannot s	tand alone as a
working Java	program.			
				ect-oriented programs
acts as the _	client	<u> </u>	of our blueprint	_class
lust like the	client of a	business uses th	at business's service	es to solve a problem
or carry out	a task, our	client class uses	themember	
variables		and me	ethods	of our blueprint
			avor, such as simulat	
			repai	
Unlike our bl	ueprint cla	sses, our c l	lient In this meth	class contains the
program's _	main r	nethod	In this meth	od, we
const	ruct	objects	using a reference to	our blueprint class
and the	new_	keyw	ord. Once we create	the object, we store
			areferen	ce variable
also called a	pointer va	iriable.		
We can then	use the m	nagical (small but	t mighty)do member variables	t
operator		to access	member variables	and
m	ethods	located	on our newly created	d objects
Part C: Stat	tic vs. Ins	<u>tance</u>		
		print class that w		
inst	antiating _.	, we	do not use the mod	ifier
			ring member variabl	
other words,	the	static	modifier could out of this class".	be interpreted to
mean "we w	on't be cre	ating an object o	out of this class".	