

1. UML -> CODE

Write the Java Code expressed in the UML below. The default age to 10.

Cls1

- age: int

- + Cls1 ()
- + getAge() : int
- + setAge(int age): void



















5. UML TO CODE 11 Write the Java code which implements this UML diagram.
<pre>public class Class1 { Class2 a, b; } public class Class2 { // no coce here }</pre>
It helps is you read the association arrow as " <u>has a</u> ": "Class1 <u>has 2</u> Class2s"







After the ORANGE code runs draw a picture of what RAM memory would look like?

Circle [] c = new Circle[4]; for(int i = 0; i< c.length; i++) { c[i] = new Circle();

}













Write a class/blueprint called, Car. The only instance variables are numDoors and make, e.g.. "a 4 door Ford". Create three overloaded constructors as follows:

Car() Car(String make) Car (String make, int numDoors)

Use the **this** keyword to reduce duplicate code. Defaults: 4 doors & Ford

20























13. DEFAULTS
What is the default value for the following data types?
int
double
String
boolean
char

13. DEFAULTS			
int	0	unt value for the following data types:	
double	0 null	All objects, which start with a capital default to null	
boolean char	false \0	The default value of a <u>char</u> primitive type is '\u0000'(null character) as stated in the Java Language Specification. The shortcut for 'u0000' is '\0; So the null can be represented either by 'u0000' or '\0'.	









16. SWITCH	Study this program. See sample session. Add a Switch statement which correctly sets the value of "school" variable.		
<pre>import java.util.Scanner; ublic close TestBrearem</pre>			
	Weird things can happen can you still overcome these obstacles a) people often add their whole name		
<pre>public static void main(String[] args) {</pre>			
Scanner scanner = new Scanner(System.in);			
String name, school, answer, temp;	instead of just their first name to the prompt.		
System.out.print("Enter your just your first name > ");			
name = scanner.next();	h) some people like Dave sometimes input		
<pre>temp = name.toLowerCase();</pre>	David		
	David.		
	c) people sometimes use capital letters, e.g. DAVID, Dave, dave		
	Enter your just your first name > David Slemon David goes to Mohawk		
	Enter your just your first name > Dave		
	Dave goes to Mohawk		
answer = name + " goes to " + school;	Arlene goes to Sheridan		
System.out.println(answer);	Enter your just your first name > Jim		
	Jim goes to some school		
1			







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18. SCANNER

Read the following typed in line using scanner one word at a time. Output each word separately on a line by itself. Stop reading if you encounter the period.

Enter	>	The	boy	is	15	years	old.
The							
boy							
is							
15							
years							
old.							







19. FORMAT STRINGS

Using printf or String.format represent as 3.1416

double pi = 3.14159;

System.out.printf("%6.4f", pi); //displays 3.1416

