Original Partner SOLUTION	Obstacle	Paired Partner ("grader")	SCORE OBTAINED
Student #	_ 5	Student #	
	COMP		5
		Odds & Ends	

Answer each question in the space provided. There's a ZIP file available in order to help you get these questions right!

1	What is the Java line of code which will create	public static final double E_CONSTANT = 2.7182818;
a public <i>constant</i> of: 2.7182818		
public class Tiger { private double weight; private String breed; public Tiger(); public Tiger(); public double getWeight(); public void setWeight(double wt); }		Tiger - weight: double - breed: string + numZooOwns: integer + Tiger() + getWeight(): double + setWeight (wt: double): void
3. Declare an array called, goals , and populate it with 50 <i>Counter</i> objects all set to 1. <u>Do NOT add any</u> new instance vars or methods to the Counter class shown below. Note: When a new Counter is constructed its count is set to zero Counter - count : int + Counter() + increment(): void + reset(): void + getCount(): int + toString(): String		<pre>Counter[] goals = new Counter[50]; for (int c=0; c< goals.length; c++) { goals[c] = new Counter(); goals[c].increment(); }</pre>

Suppose the Counter array elements all have for (Counter c : goals) { varying counts. Output each of the 50 System.out.println(c.getCount()); counter's current count value using an } enhanced for loop. // ====== an aside ========= public static void main(String[] args) Die [] dice = new Die [1000000]; for (Die d : dice) { d = new Die(); } The code above does not create Die objects in each array element because of how the enhanced for loop works in Java. In the enhanced for loop, the variable d is not a reference to the actual array element, but rather a temporary variable that holds the value of each element in the array during each iteration. Assigning a new value to d does not modify the corresponding array element. The code is assigning a new Die object to the temporary variable **d**, but it does not update the array element dice[i]. As a result, all elements of the dice array remain null. 5. a) Write the java code which would System.out.println (goals[48].getCount()); output ONLY the current count of the 49th element. the 49th element's current count b) Write a standard for loop which will reset all of the 50 counts to 0. (i.e. the reset state) for (int n = 0; n < goals.length; <math>n++) { goals[n].reset(); Declare IN ONE LINE ONLY a 4-element boolean[] b = { true, true, true, true }; boolean array called, b to all true values.