Your Tax Rate

Chapter 4

***************READ THESE INSTRUCTIONS***************

Review pages 197-204 of the 4th edition of our textbook, Concept 4.4, *Nested if Statements*. Use the concept to program the following:

2014 Tax Rates

	Singles			Marrieds			Tax Rate
First:	$9,075			$18,150			10%
From:	$9,076	-	$36,900	$18,151	-	$73,800	15%
	$36,901	-	$89,350	$73,801	-	$148,850	25%
	$89,351	-	$186,350	$148,851	-	$226,850	28%
	$186,351	-	$405,100	$226,851	-	$405,100	33%
	$405,101	-	$406,750	$405,101	-	$457,600	35%
	$406,751			$457,601			39.6%

The above table shows the 2014 marginal federal income tax rate for various income levels for both Single and Married taxpayers.

You are writing a class for use by SINGLE TAXPAYERS ONLY. Your Class, called SingleRates, has one attribute: *income*, of variable type double. The Constructor should initialize *income* with the value provided by the user.

Write methods to setIncome and getIncome. Additionally, write a method getTaxRate, which will return the appropriate tax rate dependent upon the taxpayer's income. Here you will need to use the *nested if* concept.

Write a demo that asks the user if they are a Single taxpayer. If the answer is "no", output an error message. If the answer is "yes" prompt the user for their income, instantiate a SingleRates variable and call the getTaxRate method to output the taxpayer's rate.

Print out both your SingleRates and Demo classes and turn in for grading.