Blackbox Testing for function calculateUtilizationScore()

Prototype: float calculateUtilizationScore(int weight, double vol)

Return 0 = invalid

	Description	Test Data	Expected result
Test1	Test to see if the weight	int weight = -1	Return 0
	and volume are valid if	double vol = 0.5	
	the weight is a negative		
	number.		
Test2	Test to see if the weight	int weight = 400	Reutrn 0
	and volume are valid if	double vol = -1	
	the volume is a negative		
	value		
Test3	Test to see if the weight	int weight = NULL	Return 0
	and volume are valid if	double vol = 0.25	
	the weight is equal to		
	NULL		
Test4	Test to see if the weight	int weight = 300	Return 0
	and volume are valid if	double vol = NULL	
	the volume is equal to		
	NULL		
Test5	Test to see if the weight	int weight = 0	score = 0.02
	and volume are valid if	double vol = 1.0	
	the weight is equal to 0		
Test6	Test to see if the weight	int weight = 300	score = 0.3
	and volume are valid if	double vol = 0	
	the volume is equal to 0		
Test7	Test to see if the weight	int weight = 0	score = 0
	and volume are valid if	double vol = 0	
	both the weight and		
	volume are equal to 0		
Test8	Test to see if the weight	int weight = -1	Return 0
	and volume are valid if	double vol = -1	
	both the weight and		
	volume are negative		
	values		
Test9	Test to see if the weight	int weight = NULL	Return 0
	and volume are valid if	double vol = NULL	
	both the weight and		
	volume are equal to		
	NULL		
Test10	Test to see if the weight	int weight = 300	score = 0.27
	and volume are valid if	double vol = 40.0	

	the volume is a large		
	value		
Test11	Test to see if the weight	int weight = 1200	score = 120
	and volume are valid if	double vol = 0.5	
	the weight is a large		
	value		
Test12	Test to see if the weight	int weight = 500	score = 25
	and volume are valid if	double vol = 1.0	
	both the weight and		
	volume are expected		
	values		