

MODULE TESTED:

addEdge(String v1,String v2, int weight)

clusterVertices(float tolerance)

Test ID	Test Scenario	Test Case	Pre Condition	Test Steps (Method)	User Input	Actual Result	Additional Comments	Status
TC_01	1) Call addEdge (v1,v2,weight) 2)clusterVertices (tolerance)	Enter valid (v1 & v2)	1) v1 & v2 should be String type 2) weight should be Integer type	addEdge (v1,v2,weight)	v1= "Abc"	Returns True	v1 & v2 value can be any String and weight can be any positive integer	P A S S
		Enter valid (weight)			v2="wasd"			
		Enter valid (tolerance)	3) tolerance should be float type	clusterVertices (tolerance)	weight=27	Returns Set<String>	tolerance can be positive float value	
TC_02	1) Call addEdge (v1,v2,weight) 2)clusterVertices (tolerance)	Enter valid (v1 & v2)	1) v1 & v2 should be String type 2) weight should be Integer type	addEdge (v1,v2,weight)	v1= "Axsbc"	Returns True	v1 & v2 value can be any String and weight can be any positive integer	F A I L
		Enter valid (weight)			v2="wcvasd"			
		Enter invalid (tolerance)	3) tolerance should be float type	clusterVertices (tolerance)	weight=27	Returns NULL	tolerance can't be negative float value	
TC_03	1)clusterVertices (tolerance) 2) Call addEdge (v1,v2,weight)	Enter invalid (tolerance)	1) v1 & v2 should be String type 2) weight should be Integer type	clusterVertices (tolerance)	tolerance=-2	Returns Set<String>	Both method will run successfully but no clusters will form as the clusterVertices() is called before addEdge()	F A I L
		Enter valid (v1 & v2)						
		Enter valid (weight)	3) tolerance should be float type	weight=27	Returns True			