

				Assignment(Sachin Malik 2K18-SE-110)						
Test Suite (A)										
Test case	a	b	c	Expected output	Actual Output M1(A)	Actual Output M2(A)	Actual Output M3(A)	Actual Output M4(A)	Actual Output M5(A)	
1	30	40	90	Invalid triangle	Invalid Triangle	Invalid Triangle	Invalid Triangle	Invalid Triangle	Invalid Triangle	
2	30	20	40	Obtuse angled triangle	Obtuse Angled trian	Invalid Triangle	Input values are out of range	Obtuse Angled trian	Acute Angled triangle	
3	50	40	60	Acute angled triangle	Acute Angled triangle	Invalid Triangle	Input values are out of range	Acute Angled triangle	Obtuse Angled triangle	
4	30	40	50	Right angled triangle	Right Angled triangle	Invalid Triangle	Input values are out of range	Right Angled triangle	Right Angled triangle	
5	-1	50	40	Input values are out of range	Invalid Triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	
6	50	150	90	Input values are out of range	Invalid Triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	
7	50	40	-1	Input values are out of range	Invalid Triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	
Mutation Score=4/5 = 0.8										
Test Suite (B)										
Test case	a	b	c	Expected output	Actual Output M1(B)	Actual Output M2(B)	Actual Output M3(B)	Actual Output M4(B)	Actual Output M5(B)	
1	40	90	20	Invalid triangle	Invalid triangle	Invalid triangle	Invalid triangle	Invalid triangle	Invalid triangle	
2	40	30	60	Obtuse angled triangle	Obtuse angled triangle	Invalid triangle	Input values are out of range	Obtuse angled triangle	Acute angled triangle	
3	40	50	60	Acute angled triangle	Acute angled triangle	Invalid triangle	Input values are out of range	Acute angled triangle	Obtuse angled triangle	
4	30	40	50	Right angled triangle	Right angled triangle	Invalid triangle	Input values are out of range	Right angled triangle	Right angled triangle	
5	-1	50	40	Input values are out of range	Invalid triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	
6	30	101	90	Input values are out of range	Obtuse angled triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	
7	30	90	0	Input values are out of range	Invalid triangle	Input values are out of range	Input values are out of range	Input values are out of range	Input values are out of range	

Mutation Score =4/5=0.8								
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