Exercises:

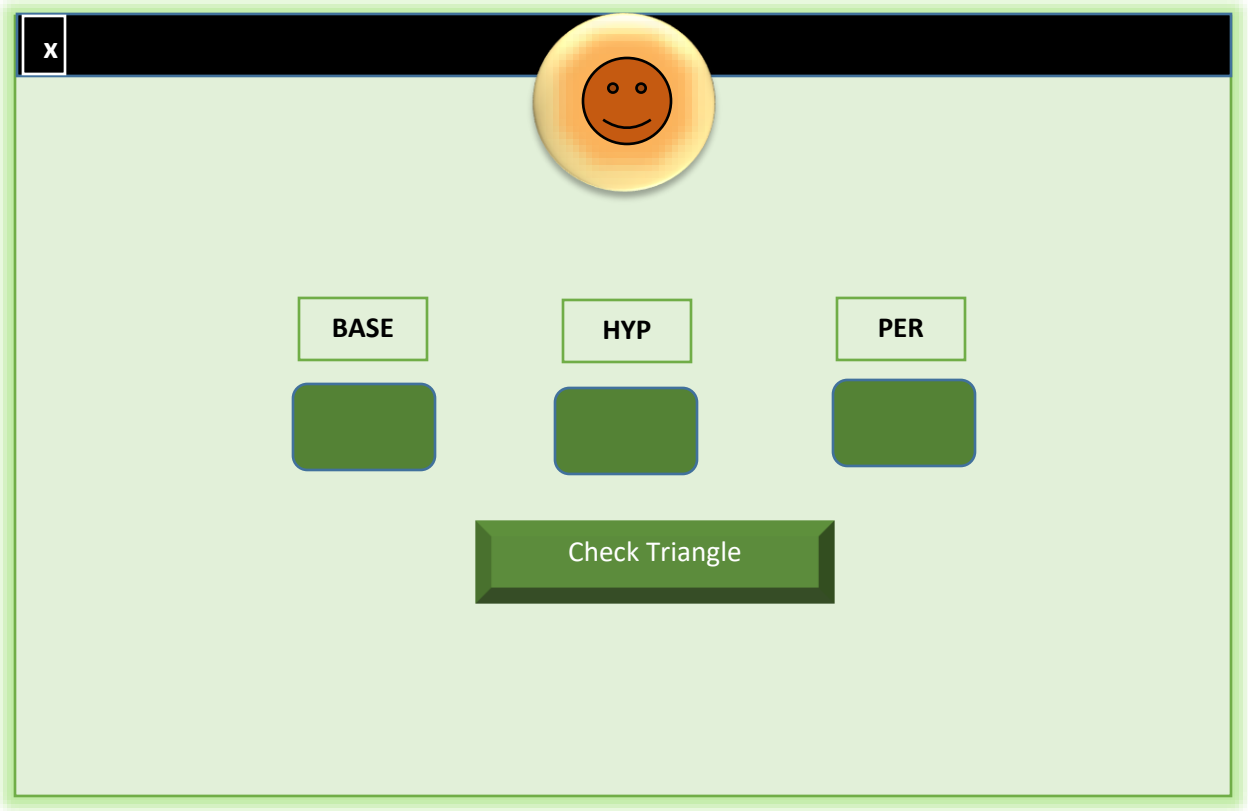
• Make test cases for a triangle that can differentiate between isosceles, equilateral, and scalene types based on sides length as input and state if their verdict is true/false.

Make assumptions for actual outcome.

Answer:

The Triangle has 3 sides which are:

1. Base
2. Hypotenuse
3. Perpendicular



Test Case ID	Test Case Description	Input Data	Expected Outcome	Actual Outcome	Verdict
TC_01	To check that if any side entered is not an integer.	Base = a Hyp=3 Per=2, Base= 7 Hyp=a Per=9, Base= 7 Hyp=9 Per=a	Message: The data entered for the sides is not a number.		
TC_02	To Check that if any side entered is equal to 0.	Base = 0 Hyp=3 Per=2, Base= 7 Hyp=0 Per=9, Base= 7 Hyp=9 Per=0	Message: The data entered for the sides is equal to 0.		
TC_03	To show that it is a equilateral triangle if (B = H = P)	Base= 7 Hyp=7 Per=7	Message: It is a Equilateral Triangle.		
TC_04	To show that it is a isosceles triangle if any two sides are equal: (B=H) or (H=P) or (P=B).	Base= 7 Hyp=9 Per=7	Message: It is a Isosceles Triangle.		
TC_05	To show that it is a scalene triangle if none of the sides are equal. (B ≠ H ≠ P)	Base= 7 Hyp=9 Per=8	Message: It is a Scalene Triangle.		
TC_06	To Check if the value entered for the hypotenuse is the greatest.	Base = 3 Hyp=7 Per=6, Base= 7 Hyp=9 Per=6	Check the type of the triangle		