

Test ID	TEST DESCRIPTION	INPUT	OUTPUT
Test_01 Permutation	Taken two inputs n and r. If we give the value of n as 0, then the output will come as 0.	$nPr = [n! / (n-r)!]$ $n=0$	Zero
Test_02 Permutation	If we give same values to both n and r, then the output will give error.	$nPr = [n! / (n-r)!]$ $n=r$	Error
Test_03 Combination	Taken two inputs n and r. If we give the value of n as 0, then the output will come as 0.	$nCr = [n! / r! (n-r)!]$ $n=0$	Zero
Test_04 Combination	If we give same values to both n and r, then the output will give error.	$nCr = [n! / r! (n-r)!]$ $n=r$	Error
Test_05 Geometry shape- Circle	If we give the value of r as 0, then the result will be zero which an error.	$\text{Area} = \pi * r * r$ $\text{Perimeter} = 2 * \pi * r$ $R=0$	Zero(Error)
Test_06 Geometry shape- Rectangle	If we assign 0 as value to either l or b, then the result will be zero which is an error.	$\text{Area} = l * b$ $\text{Perimeter} = 2(l+b)$ $l = 0 \text{ or } b = 0$	Zero(Error)