| \*\*Test ID\*\* | \*\*TEST DESCRIPTION\*\* | \*\*INPUT\*\* | \*\*OUTPUT\*\* |

| --- | --- | --- | --- |

| Test\\_01Permutation | 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\\_02Permutation | If we give same values to both n and r, then the output will give error. | nPr = [n! /(n-r)!]n=r | Error |

| Test\\_03Combination | 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\\_04Combination | 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\\_05Geometry shape- Circle | If we give the value of r as 0, then the result will be zero which an error. | Area=Pi\\*r\\*rPerimeter=2\\*Pi\\*rR=0 | Zero(Error) |

| Test\\_06Geometry shape- Rectangle | If we assign 0 as value to either l or b, then the result will be zero which is an error. | Area=l\\*bPerimeter=2(l+b)l = 0 or b =0 | Zero(Error) |