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| TEST ID | TEST DESCRIPTION | TEST INPUT | TEST OUTPUT |
| TEST ID1(EXPONENTIAL) | In exponential function operation , if the input value is 0, then the output will be 1. | f(x)=exp(x)  x=0 | The output will be 1. |
| TEST ID2(LOGARITHMIC) | In logarithmic operation, if the input value is 0, then the output will be undefined. | f(x)=log(x)  x=0 | The output will be undefined. |
| TEST ID3(PERMUTATION AND COMBINATION) | 1)In performing permutation, if the value of n is 0, the output will be zero and if n=r then the result will show error.  2)In performing combination if the value of n is zero, output will be zero and if r=0 and n=r then the output will show error | 1)nPr=n!/(n-r)!  If n=0  If n=r  nCr=n!/r!(n-r)!  if n=0  if n=r | The output will be zero.  The output will be ERROR.  The output will be zero.  The output will show ERROR. |
| TEST ID4(POWER OPERATION) | In power operation,if the exponent is 0, then the output wil be 1. | f(x)=b^x  if x=0 | The output will be 1. |
| TEST ID5(POWER OPERATION) | In power operation,if the base is 0, and the exponenent is also 0, then the output wil be 1.  In power operation,if the base is any positive integer, and the exponenent is 0, then the output wil be 1. | f(x)=b^x  if b=0  x=0  f(x)=b^x  if x=0 | The output will be 1.  The output will be 1. |