Test case

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My Recursion Program.
Calculate Factorial n! by recursion
Enter the value of n = 4
4! is recursive case. Answer = 4 * recursion of 3!
        Recursion to calculate 3!
3! is recursive case. Answer = 3 * recursion of 2!
        Recursion to calculate 2!
2! is recursive case. Answer = 2 * recursion of 1!
        Recursion to calculate 1!
1! is recursive case. Answer = 1 * recursion of 0!
        Recursion to calculate 0!
0! is base case return answer of 0! = 1
Calculate 0! complete.
        Return answer from 0! =  1 to calculate 1! = [ 1 * 0!] = 1 * 1 = 1
Calculate 1! complete.
        Return answer from 1! =  1 to calculate 2! = [ 2 * 1!] = 2 * 1 = 2
Calculate 2! complete.
        Return answer from 2! =  2 to calculate 3! = [ 3 * 2!] = 3 * 2 = 6
Calculate 3! complete.
        Return answer from 3! =  6 to calculate 4! = [ 4 * 3!] = 4 * 6 = 24
Complete calculation of 4! , answer = 24
press[y] to continue, others to exit. y
Enter the value of n = 2.0
Invalid Input please Enter value between 0 - 15
Enter the value of n = 2.
Invalid Input please Enter value between 0 - 15
Enter the value of n = x
Invalid Input please Enter value between 0 - 15
Enter the value of n = 2x
Invalid Input please Enter value between 0 - 15
Enter the value of n = -1
Invalid Input please Enter value between 0 - 15
Enter the value of n = 20
Invalid Input please Enter value between 0 - 15
Enter the value of n = 0
0! is base case return answer of 0! = 1
Calculate 0! complete.
Complete calculation of 0! , answer = 1
press[y] to continue, others to exit. y
Enter the value of n = 1
1! is recursive case. Answer = 1 * recursion of 0!
        Recursion to calculate 0!
0! is base case return answer of 0! = 1
Calculate 0! complete.
        Return answer from 0! =  1 to calculate 1! = [ 1 * 0!] = 1 * 1 = 1
Complete calculation of 1! , answer = 1
press[y] to continue, others to exit. n
End Program.
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