

Lab 1 Equations

August 23, 2021

Create 5 functions, named A, B, C, D, and E. These should be implemented using loops, but if you use recursion, that will be ok too. You can add as many helper functions as you like. Some of the functions can be simplified mathematically, but don't do this - just implement them as written.

$$A(n) = \prod_{x=1}^{10} nx$$

$$B(n) = \sum_{x=n}^{100} \ln(x)$$

$$C(n) = \sum_{x=n}^{2n} x$$

$$D(n) = \sum_{i=0}^n \sum_{j=i}^n 1$$

$$E(n, m) = \sum_{i=0}^n \prod_{j=1}^m 2i + 9j$$