CS4110: Computer System Design Lab

Assignment #1

Assignment Evaluation Date: 17th Aug, 2015

1. Ackermann's function A(m, n) is defined for m >= 0 and n >= 0 as
    a. A(0, n) = n + 1, for n >= 0
    b. A(m, 0) = A(m - 1, 1), for m >= 1
    c. A(m, n) = A(m - 1, A(m, n-1)), for m >= 1, n >= 1

   Write a recursive procedure (in assembly language) to compute this function. Your main program should handle the user interface to request **m** and **n** and display the final result.

2. Write an assembly code to copy the contents of a file to another file using File system calls.