

Network Laboratory

Assignment II (2 weeks)

Assignment Statement

Stage I

Let there be two *Free Dos 1.2* VM's M_1 and M_2 running at two different physical computers. Your are to develop 2 *Free Dos 1.2* programs, say P_1 to run at M_1 and P_2 to run at M_2 as specified below.

1. P_1 and P_2 can only expect that the appropriate packets drivers for the NIC's are installed in M_1 and M_2 .
2. P_1 reads a +ve integer number (in decimal) from the user and *sends* that number through the network so that P_2 can *get* the number.
3. P_2 , upon getting the number sent by P_1 , computes its factorial and *sends* that through the network so that P_1 can *get* and print (in decimal) the factorial.

Stage II

1. Modify P_1 and P_2 of Stage I in such a way so that they can handle as many +ve integers (read from the user by P_1 without waiting for responses from P_2) as desired.

Stage III

1. You have to write a program P whose 2 instances are to run on M_1 and M_2 . P should be able to perform the functionalities of both P_1 and P_2 of Stage II. That is, P running at M_1 (M_2) can read +ve integers and send them to M_2 (M_1), receive and print the factorials sent by M_2 (M_1).