#include "myftp.h"

// use ./myftpClient <port> <filename>

int main( int argc, char \*\*argv ) {

int socketfd;

struct sockaddr\_in servaddr,broadaddr;

int result;

char device[DEVICELEN];

/\* Usage information. \*/

if( argc != 3 ) {

printf( "usage: ./myftpClient <port> <filename>\n" );

return 0;

}

/\* Open socket. \*/

if( (socketfd = socket(AF\_INET, SOCK\_DGRAM, 0)) < 0)

errCTL("Socket error");

/\* Get NIC device name. \*/

if( getIFname( socketfd, device ) )

errCTL("getIFname");

/\* Initial client address information. \*/

if(!strcmp(device,"eth0")){

if( initCliAddr(socketfd, atoi(argv[1]), "255.255.255.255", &broadaddr) )

errCTL("initCliAddr");

}else{//mininet broadcast

if( initCliAddr(socketfd, atoi(argv[1]), "10.255.255.255", &broadaddr) )

errCTL("initCliAddr");

}

/\* Find server address. \*/

/\* & set time out. \*/

if(findServerAddr(socketfd, argv[2], &broadaddr, &servaddr))

errCTL("findServerAddr");

/\* Start ftp client \*/

if(startMyftpClient(socketfd, &servaddr, argv[2]))

errCTL("startMyftpClient");

close(socketfd);

return 0;

}