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echo server fork.c
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#include <sys/types.h>
#include <sys/stat.h>
#include <sys/socket.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <stdio.h>
#include <string.h>
#include <unistd.h>
#include <signal.h>
#define MAXLINE 1024
#define PORTNUM 3600
int main(int argc, char **argv)
        int listen_fd, client_fd;
        pid_t pid;
        socklen t addrlen;
        int readn;
        int c[3];
        char buf[MAXLINE];
        char str[MAXLINE]="";
        struct sockaddr_in client_addr, server_addr;
        if( (listen_fd = socket(AF_INET, SOCK_STREAM, 0)) < 0)</pre>
                return 1:
        memset((void *)&server_addr, 0x00, sizeof(server_addr));
        server_addr.sin_family = AF_INET;
        server addr.sin addr.s addr = htonl(INADDR ANY);
        server_addr.sin_port = htons(PORTNUM);
        if(bind(listen_fd, (struct sockaddr *)&server_addr, sizeof(server_addr))
==-1)
                perror ("bind error");
                return 1;
        if(listen(listen fd, 5) == -1)
                perror ("listen error");
                return 1;
        signal(SIGCHLD, SIG_IGN);
        for(int i=0; i<3; i++)
                addrlen = sizeof(client_addr);
                client_fd = accept(listen_fd,
                         (struct sockaddr *) &client_addr, &addrlen);
                c[i] = client_fd;
                if(client_fd == -1)
                         printf("accept error\n");
                        break;
                printf("Client Connected: %s\n", inet_ntoa(client_addr.sin_addr));
                memset (buf, 0x00, MAXLINE);
//
                read(client_fd, buf, MAXLINE);
                if((readn = read(client_fd, buf, MAXLINE)) > 0) {
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                        printf("Read Data %s(%d): %s",
                                 inet_ntoa(client_addr.sin_addr),
                                 client addr.sin port, buf);
               strcat(str,buf);
               pid = fork();
               if(pid == 0) {return 0;}
       for(int i=0; i<3; i++) {</pre>
               if(write(c[i], str, MAXLINE) <=0) {</pre>
                        perror ("Write error: ");
                        close(client fd);
               close(c[i]);
       close(listen fd);
       return 0;
```