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1. ssu\_dup.c의 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#define BUFFER\_SIZE 1024

int main(void){

char buf[BUFFER\_SIZE];

char \*fname = "ssu\_test.txt";

int count;

int fd1, fd2;

if((fd1 = open(fname,O\_RDONLY,0644))<0){

fprintf(stderr,"open error for %s\n",fname);

exit(1);

}//ssu\_test.txt\ud30c\uc77c\uc744 \uc77d\uae30\uc804\uc6a9\uc73c\ub85c \uc624\ud508\ud55c\ub2e4.

fd2 = dup(fd1);

//fd1\uc758 \ud30c\uc77c \ub514\uc2a4\ud06c\ub9bd\ud130\ub97c \ubcf5\uc0ac\ud574\uc11c fd2\uc5d0 \ub123\uc5b4\uc900\ub2e4.

count = read(fd1,buf,12);

//fd1\uc5d0\uc11c 12byte\ub97c \uc77d\uc5b4\uc11c buf\uc5d0 \uc800\uc7a5\uc2dc\ud0a8\ub2e4.

buf[count] = 0;

//buf\uc5d0 \ub110 \ubb38\uc790\ub97c \ucd94\uac00\ud574\uc900\ub2e4.

printf("fd1's printf : %s\n",buf);

//buf\uc5d0 \uc800\uc7a5\ub41c \ubb38\uc790\uc5f4\uc744 \ucd9c\ub825\ud55c\ub2e4.

lseek(fd1,1,SEEK\_CUR);

//fd1\uc758 \uc624\ud504\uc14b\uc704\uce58\ub97c \ud55c \uce78 \uc774\ub3d9\uc2dc\ud0a8\ub2e4.

count = read(fd2,buf,12);

buf[count]=0;

printf("fd2's printf : %s\n",buf);

//fd2\uc5d0 \ub300\ud574\uc11c fd1\uc744 \ud1b5\ud574 \ud589\ud588\ub358 \uac83\uc744 \ub611\uac19\uc774 \uc9c4\ud589\ud55c\ub2e4.

exit(0);

}

1. 실행결과

텍스트, 스크린샷, 폰트이(가) 표시된 사진

자동 생성된 설명

1. ssu\_dup2\_1.c의 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

int main(void){

char \*fname = "ssu\_test.txt";

int fd;

if((fd = creat(fname,0666)) < 0){

printf("creat error for %s\n",fname);

exit(1);

}

//ssu\_test.txt\ud30c\uc77c\uc744 creat\ud568\uc218\ub97c \ud1b5\ud574\uc11c \ub9cc\ub4e4\uc5b4\uc900\ub2e4.

printf("First printf is on the screen.\n");

dup2(fd,1);

//fd\ub97c \ud45c\uc900 \ucd9c\ub825 1\ubc88 \ud30c\uc77c \ub514\uc2a4\ud06c\ub9bd\ud130\ub85c \ubcf5\uc0ac\ud574\uc900\ub2e4.

printf("Second printf is in this file.\n");

exit(0);

}

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자동 생성된 설명

1. ssu\_dup2\_2.c의 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#define BUFFER\_SIZE 1024

int main(void){

char buf[BUFFER\_SIZE];

char \*fname = "ssu\_test.txt";

int fd;

int length;

if((fd = open(fname,O\_RDONLY,0644))<0){

fprintf(stderr,"open error for %s\n",fname);

exit(1);

}

//ssu\_test.txt\ud30c\uc77c\uc744 \uc624\ud508\ud55c\ub2e4.

if(dup2(1,4) != 4){

fprintf(stderr,"dup2 call failed\n");

exit(1);

}

//\ud45c\uc900 \ucd9c\ub825\uc778 1\ubc88 \ud30c\uc77c \ub514\uc2a4\ud06c\ub9bd\ud130\ub97c 4\ubc88\uc73c\ub85c \ubcf5\uc0ac\ud55c\ub2e4.

while(1){

length = read (fd, buf, BUFFER\_SIZE);

//\ubc84\ud37c \uc0ac\uc774\uc988\ub9cc\ud07c \uc77d\uc5b4\uc11c buf\uc5d0 \uc800\uc7a5\ud55c\ub2e4.

if(length<=0)

break;

write(4,buf,length);

//\ubc84\ud37c\uc5d0 \uc800\uc7a5\ud55c \uac83\ub4e4\uc744 4\ubc88 \ud30c\uc77c\ub514\uc2a4\ud06c\ub9bd\ud130\uc5d0 \uc801\ub294\ub2e4.

}

exit(0);

}

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