

리눅스 시스템 프로그래밍 설계 및 실습 Quiz #6 (A)

학번 : 20182602

이름 : 김찬진

1. 하단의 실행결과가 나오도록 소스코드를 완성하십시오.

<pre> <ssu_directory_1.c> #include <stdio.h> #include <stdlib.h> #include <unistd.h> #include <dirent.h> #include <fcntl.h> #include <string.h> #include <sys/stat.h> #define DIRECTORY_SIZE MAXNAMLEN int main(int argc, char *argv[]) { struct dirent *dentry; struct stat statbuf; char filename[DIRECTORY_SIZE+1]; DIR *dirp; if (argc < 2) { fprintf(stderr, "usage: %s <directory>\n", argv[0]); exit(1); } if ((dirp=opendir(argv[1]))==NULL chdir(argv[1])== -1) { fprintf(stderr, "opendir, chdir error for %s\n", argv[1]); exit(1); } while ((dentry=readdir(dirp))!=NULL) { if (dentry->d_ino == 0) continue; memcpy(filename, dentry->d_name, DIRECTORY_SIZE); </pre>	<pre> if (stat(filename, &statbuf) == -1) { fprintf(stderr, "stat error for %s\n", filename); break; } if ((statbuf.st_mode & S_IFMT) == S_IFREG) printf("%-14s %ld\n", filename, statbuf.st_size); else printf("%-14s\n", filename); } exit(0); } </pre> <p>실행결과</p> <pre> root@localhost:/home/oslab# mkdir ssu_oslab root@localhost:/home/oslab# cd ssu_oslab root@localhost:/home/oslab/ssu_oslab# vi ssu_oslab_1.c root@localhost:/home/oslab/ssu_oslab# gcc -o ssu_oslab_exec ssu_oslab_1.c root@localhost:/home/oslab/ssu_oslab# mkdir ssu_dir root@localhost:/home/oslab/ssu_oslab# cd .. root@localhost:/home/oslab# ./ssu_directory_1 ssu_oslab .. . ssu_dir ssu_oslab.c 102 ssu_oslab_exec 8656 </pre>
---	---

2. 다음 함수의 원형이 선언된 헤더파일, 원형, 반환값을 쓰시오.

<pre> getcwd() #include<unistd.h> char *getcwd(char *buf,size_t size); 성공 : 현재 작업 디렉토리의 pathname 에러시 NULL errno설정 </pre>
