8. Write a C program which receives file names as command line arguments and

display those filenames in ascending order according to their sizes. (e.g $ a.out

a.txt b.txt c.txt, ...)

#include <sys/types.h>

#include <sys/stat.h>

#include <time.h>

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

struct file\_info{

char fname[20];

long long fsize;

};

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

struct stat info;

struct file\_info finfo[argc],temp;

int i=1,j;

if (argc < 2) {

printf("Enter filename\n");

}

else{

while(i<argc){

if (stat(argv[i], &info) == -1) {

printf("stat erro");

exit(EXIT\_FAILURE);

}

//printf("%s File size is: %lld bytes\n",argv[i],(long long) info.st\_size);

strcpy(finfo[i].fname,argv[i]);

finfo[i].fsize=info.st\_size;

i++;

}

}

for(i=1;i<argc;i++){

printf("%s File size is %lld\n",finfo[i].fname,finfo[i].fsize);

}

printf("Files in ascending orders are: \n");

for (i = 1; i < argc; i++)

{

for (j = 1; j < (argc-i); j++)

{

if (finfo[j].fsize > finfo[j + 1].fsize)

{

temp = finfo[j];

finfo[j] = finfo[j + 1];

finfo[j + 1] = temp;

}

}

}

for(i=1;i<argc;i++){

printf("%s File size is %lld\n",finfo[i].fname,finfo[i].fsize);

}

}