```
#include <stdio.h>
#include<fcntl.h>
#include<unistd.h>
#include<sys/stat.h>
#include <string.h>
#define BUF_SIZE 32
#define FILE_NAME_LEN 200
int main(int argc, char *argv[])
{
FILE * file_to_read;
FILE * file_to_write;
char name_of_file_to_read[FILE_NAME_LEN+1];
char name_of_file_to_write[FILE_NAME_LEN+1];
char buf[BUF_SIZE];
size_t num_rec;
if(argc>3 || argc<3)
{
printf("Please Provide two arugments \n");
}
else{
if(access(argv[1],F_OK)<0)
{
printf("%s not found \n ",argv[1]);
}
/* Prepare the source file name */
```

```
strcpy(name_of_file_to_read, argv[1]);
/* Prepare the target file name */
if ( argc == 3 )
strcpy(name_of_file_to_write, argv[2]);
else
strcat(strcpy(name_of_file_to_write, name_of_file_to_read), ".fread");
/* Open source file in read-only mode */
if ( (file_to_read = fopen(name_of_file_to_read, "r")) == NULL )
{
fprintf(stderr, "Could not open file '%s' for reading\n",name_of_file_to_read);
return 3;
}
/* Open target file in write mode */
if ( (file_to_write = fopen(name_of_file_to_write, "w")) == NULL )
{
fprintf(stderr, "Could not open file '%s' for writing\n",
name_of_file_to_write);
fclose(file_to_read);
return 4;
}
while ( (num_rec = fread(buf, sizeof(char), BUF_SIZE, file_to_read) ) > 0 )
{
fwrite(buf, sizeof(char), num_rec, file_to_write);
if ( ferror(file_to_write) )
{
```

```
fprintf(stderr, "Error while writing into file '%s'\n",
name_of_file_to_write);
fclose(file_to_read);
fclose(file_to_write);
return 5;
}
}
if ( ferror(file_to_read) )
{
fprintf(stderr, "Error while reading the file '%s'\n", name_of_file_to_read);
fclose(file_to_read);
fclose(file_to_write);
return 6;
}
/* Close the files */
fclose(file_to_read);
fclose(file_to_write);
printf("File '%s' successfully copied to file '%s'\n", name_of_file_to_read,
name_of_file_to_write);
return 1;
}
}
//output
//./a.out
//fd ff File 'fd' successfully copied to file 'ff'
```