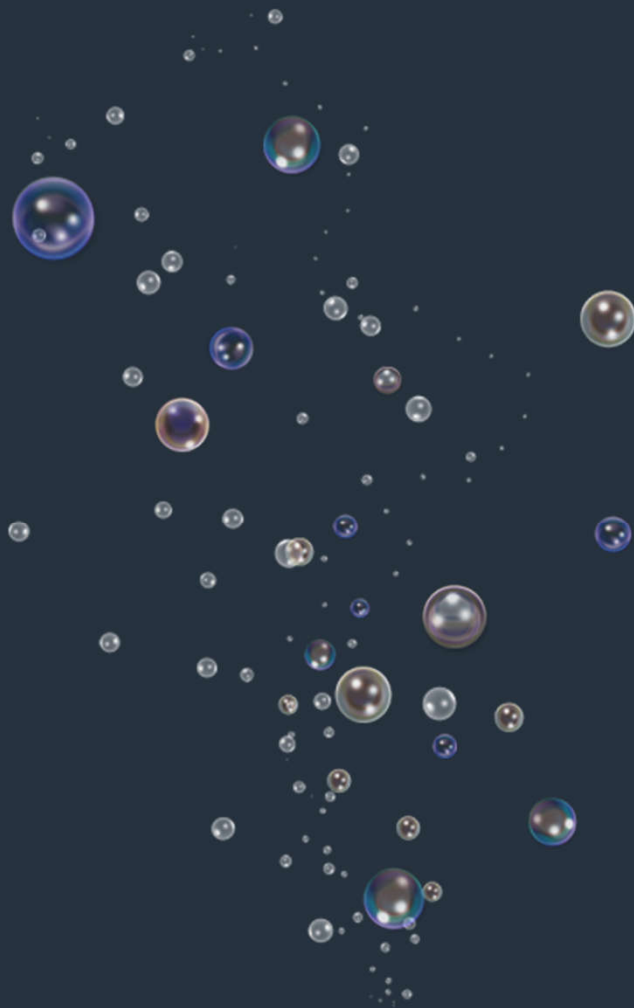




文件操作举例

大连理工大学 赖晓晨



例：cat功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int temp;
    FILE *fpr;
    if(argc==1)
    { printf("Parameter missing!\n");
      exit(0);
    }
    if((fpr=fopen(argv[1], "r"))==NULL)
    { printf("Can not open the source file!\n");
      exit(0);
    }
    fseek(fpr, 0L, 0);
    while(!feof(fpr))
    {
        temp=fgetc(fpr);
        putchar(temp);
    }
    fclose(fpr);
    return 0;
}
```

fcats.c

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        temp=fgetc(fpr);
        putchar(temp);
    }
    fclose(fpr);
    return 0;
}
```

fcats.c

例：删除文件功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int res;
    if(argc==1)
    {
        printf("Parameter missing!\n");
        exit(0);
    }
    res = remove( argv[1] );
    if(res == 0)
    {
        printf("deleted!\n");
        exit(0);
    }
    else if(res == -1)
    {
        printf("error happend!\n");
        exit(0);
    }
    return 0;
}
```

delete.c

例：删除文件功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int res;
    if(argc==1)
    {
        printf("Parameter missing!\n");
        exit(0);
    }
    res = remove( argv[1] );
    if(res == 0)
    {
        printf("deleted!\n");
        exit(0);
    }
    else if(res == -1)
    {
        printf("error happend!\n");
        exit(0);
    }
    return 0;
}
```

delete.c

例：删除文件功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int res;
    if(argc==1)
    {
        printf("Parameter missing!\n");
        exit(0);
    }
    res = remove( argv[1] );
    if(res == 0)
    {
        printf("deleted!\n");
        exit(0);
    }
    else if(res == -1)
    {
        printf("error happend!\n");
        exit(0);
    }
    return 0;
}
```

delete.c

例：mv功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int res;
    if(argc!=3)
    {
        printf("Parameter error!\n");
        exit(0);
    }
    res = rename( argv[1], argv[2]);
    if (res == 0)
    {
        printf("success!\n");
    }
    else
    {
        printf("error!\n");
    }
    return 0;
}
```

move.c

例：mv功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    int res;
    if(argc!=3)
    {
        printf("Parameter error!\n");
        exit(0);
    }
    res = rename( argv[1], argv[2]);
    if (res == 0)
    {
        printf("success!\n");
    }
    else
    {
        printf("error!\n");
    }
    return 0;
}
```

move.c

例：cp功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    char c; FILE *fp1, *fp2;
    if(argc<=2){
        printf("Parameter missing!\n"); exit(0);
    }
    if((fp1=fopen(argv[1], "rb"))==NULL){
        printf("Can not open the source file!\n"); exit(0);
    }
    if((fp2=fopen(argv[2], "a+"))==NULL){
        printf("Can not establish the output file!\n"); exit(0);
    }
    fseek(fp1, 0L, 0);
    fseek(fp2, 0L, 0);
    while(!feof(fp1)){
        fread(&c, 1, 1, fp1);
        fwrite(&c, 1, 1, fp2);
    }
    fclose(fp1); fclose(fp2);
    return 0;
}
```

copy.c

例：cp功能的实现

```
#include <stdio.h>
#include <stdlib.h>
int main(int argc, char *argv[])
{
    char c;  FILE *fp1, *fp2;
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    fseek(fp2, 0L, 0);
    while(!feof(fp1)){
        fread(&c, 1, 1, fp1);
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copy.c



嵌入式软件设计

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