任务 1
代码:

```c
#include <stdio.h>
int main(int argc, char *argv[])
{
    FILE *fp = fopen(argv[1], "r");
    int read_ret;
    if (argc < 2)
    {
        printf("please input source file!\n");
    }
    if (fp == NULL)
    {
        printf("open source %s failed!\n", argv[1]);
        return -1;
    }
    while (1)
    {
        read_ret = fgetc(fp);
        if (feof(fp))
        {
            printf("read file %s endl\n", argv[1]);
            break;
        }
        fputc(read_ret, stdout);
    }
}
```

任务 2
代码:

```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <dirent.h>
#include <errno.h>
int main(int argc, char *argv[])
{
    DIR *dirp;
    struct dirent *direntp;
    if ((dirp = opendir(argv[1])) == NULL)
    {
        fprintf(stderr, "error message: %s\n", strerror(errno));
        exit(1);
```

```
    }
    while ((direntp = readdir(dirp)) != NULL)
        printf("%s\n", direntp->d_name);
    closedir(dirp);
    exit(0);
}
```

任务 3
代码:
```c
#include <unistd.h>
#include <stdio.h>
#include <stdlib.h>
int main(void)
{
    if (chdir("/tmp") < 0)
    {
        printf("chdir failed\n");
        exit(1);
    }
    printf("chdir to /tmp succeeded\n");
    // 获取当前工作目录并打印
    char cwd[1024];
    if (getcwd(cwd, sizeof(cwd)) != NULL)
    {
        printf("Current working directory: %s\n", cwd);
    }
    else
    {
        perror("getcwd failed");
    }
    exit(0);
}
```