## 上以系统及外区北编程

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# 编译器。它的使用

#### 多文件编译

1. 创建一个文件夹

mkdir

2. 创建三个、企文件

```
ø other1.c
void welcome() {
 printf("Welcome to the world of Linux\n");
o other2.c
int add(int x, int y) {
 return x+y;
int sub(int x, int y){
 return x-y;
```

- o app.c
- o #include <stdio.h>
- o void main(){
- o int a=15,b=3,c;
- printf("test in app\n");
- ø welcome();
- e c = add(a, b);
- printf("%d + %d = %d\n", a, b, c);
- e c = sub(a, b);
- printf("%d %d = %d\n", a, b, c);

### 多文件编译

1. 编译

gcc other1.c other2.c app.c -o app

2. 运行

./app

#### 增加头文件

other1.h

#ifndef OTHER1\_H

#define OTHER1\_H

#include <stdio.h>

void welcome();

#endif

other2.h

#ifndef OTHER2\_H

#define OTHER2\_H

#include <stdio.h>

int add(int, int);

int sub(int, int);

#endif

#### 修改OCKET1.C和OCKET2.C

```
other1.c

#include "other1.h"

void welcome(){
```

```
other2.c
#include "other2.h"
int add(int, int) {
int sub(int, int){
  ...
```

# 修改apple

```
#include "other1.h"
#include "other2.h"
void main(){
```

## 进行编译

gcc other1.c other2.c app.c -o app.../app