```
localtime: 本地时间 和时区 有关
utc = gmtime(&tmpcal_ptr);
local = localtime(&tmpcal ptr);
printf("after gmtime, the time is:\n%d:%d:%d", tmp ptr->tm hour,
tmp_ptr->tm_min, tmp_ptr->tm_sec);
     printf("after localtime, the time is:\n%d:%d:%d", tmp ptr->tm hour, tmp ptr-
>tm_min, tmp_ptr->tm_sec);
不能这样获取,这样的话 utc 会被 local 覆盖掉,使 utc 和 local 一样
#include <time.h>
#include <stdio.h>
int main(int argc, char **argv)
{
time t tmpcal ptr = \{0\};
struct tm *tmp_ptr = NULL;
tmpcal ptr = time(NULL);
printf("tmpcal ptr=%d\n", tmpcal ptr);
tmp ptr = qmtime(&tmpcal ptr);
     printf("after gmtime, the time is:\n%d:%d:%d", tmp_ptr->tm_hour, tmp_ptr-
>tm_min, tmp_ptr->tm_sec);
tmp_ptr = localtime(&tmpcal_ptr);
    printf("after localtime, the time is:\n%d:%d:%d", tmp_ptr->tm_hour, tmp_ptr-
>tm_min, tmp_ptr->tm_sec);
return 0;
}
运行结果如下:
```

gmtime: 标准 UTC +0000 时间

```
[carl@Fedora project]$ date
Fri Apr 12 15:46:39 CST 2013
[carl@Fedora project]$ gcc date_time.c
[carl@Fedora project]$ ./a.out
tmpcal_ptr=1365752806
after gmtime, the time is:
7:46:46
after localtime, the time is:
15:46:46
[carl@Fedora project]$
```