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# Count The Number Of Times A Program Runs

**Code Id** 2  
**Date Updated** 3/7/2010  
**Title** Count the number of times a program runs  
**Description**

```
Write a program that prints
Hello
the first time it is run and
Hello again
the next time it is run.
```

## Codes Snippet

```
#include
#include
#include
#include

void die(char *s)
{
    fprintf(stderr,"fatal: %s: %sn",s,strerror(errno));
    exit(111);
}

int main(void)
{
    FILE *f;

    f = fopen("alreadyran.dat","r");
    if (f) { printf("Hello againn"); exit(0); }

    if (errno != ENOENT) die("unable to read alreadyran.dat");

    printf("Hellon");
    f = fopen("alreadyran.dat","w");
    if (!f) die("unable to write alreadyran.dat");

    exit(0);
}
```

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