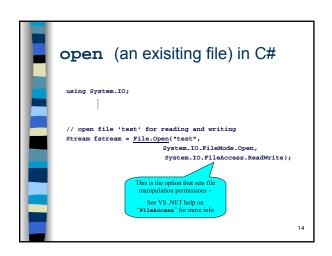


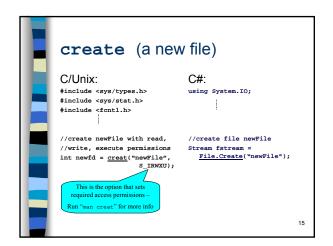
```
pen (an exisiting file) in C/Unix

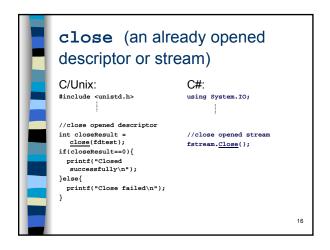
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>

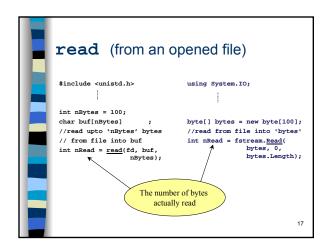
// open file 'test' for reading and
writing
int fdtest = open("test", O_RDWR);

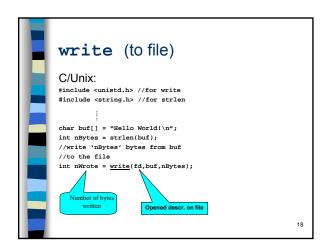
It's the option that sets file
manipulation permissions -
Run "man 2 open" for more info
```











```
write (to file)

C#:
using System.IO;

String buf = "Hello World!\n";
byte[] bufBytes = new byte[buf.Length];
int nBytes = buf.Length;
for(int i=0; i<nBytes; i++)
{
   bufBytes[i] = (byte)buf[i];
}
//write 'nBytes' bytes from bufBytes to file
fstream.write(bufBytes, 0, nBytes);

Offset from start

Opened stream on file</pre>

Opened stream on file
```

```
lseek in C/Unix

Repositions read/write position in file.

Useful when (say) you want to read bytes 20-29 from a file.

#include <sys/types.h>
#include <unistd.h>

//offset from start
int offset = 20;
//reposition read/write position
lseek(fd, offset, SEEK_SET)
char buf[10];
//read 10 bytes starting at offset
read(fd, buf, 10);
```

