

CS 345 - Operating Systems

Setting an entry

```
FatEntOffset = (ClusterNum * 3)/2
If (ClusterNum & 0x0001)
    Fat12ClusterEntry = Fat12ClusterEntry << 4;
    *((WORD*) &FAT[FatEntOffset] =
        *((WORD*) &FAT[FatEntOffset] & 0x000F;
Else
    Fat12ClusterEntry = Fat12ClusterEntry & 0x0FFF;
    *((WORD*) &FAT[FatEntOffset] =
        *((WORD*) &FAT[FatEntOffset] & 0xF000;

*((WORD*) &FAT[FatEntOffset] =
    ((*((WORD*) &FAT[FatEntOffset])) | Fat12ClusterEntry;
```