

# HardDisk (File System)

Boot Block SuperBlock

Disk Inode List Block

Data Block

Boot  
Loader

&

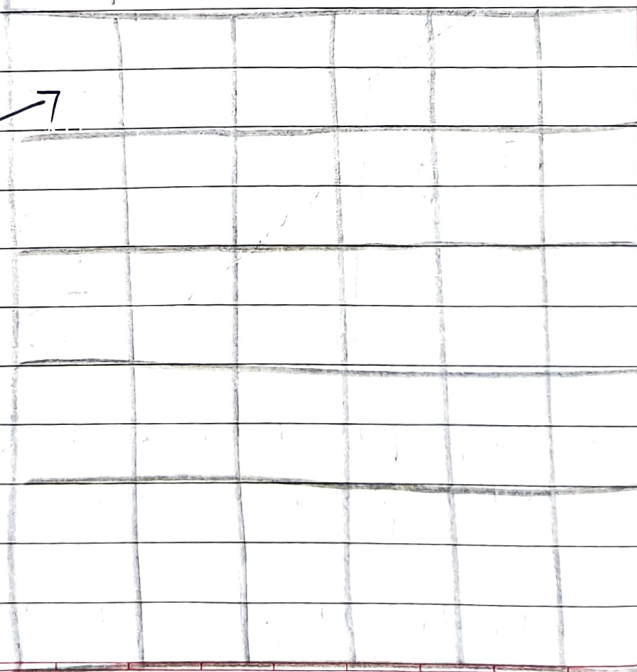
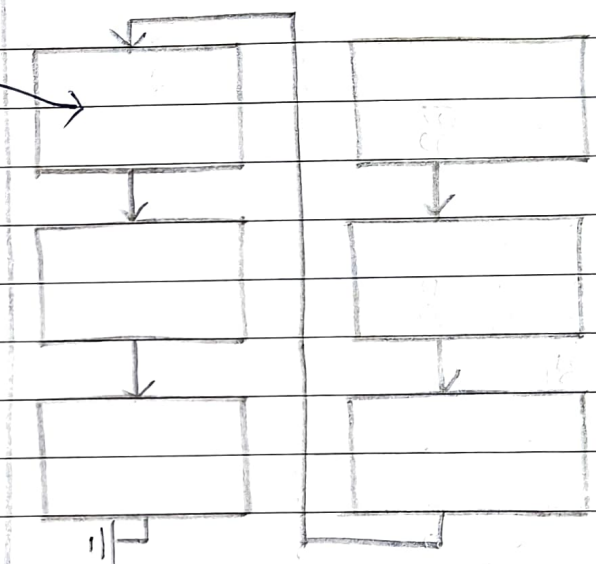
Information  
to load the  
operating  
system into  
RAM

Whole  
info about  
HDD

Total blocks  
Total Inodes  
Free Blocks  
Free inodes  
size of file  
system

1KB

1KB

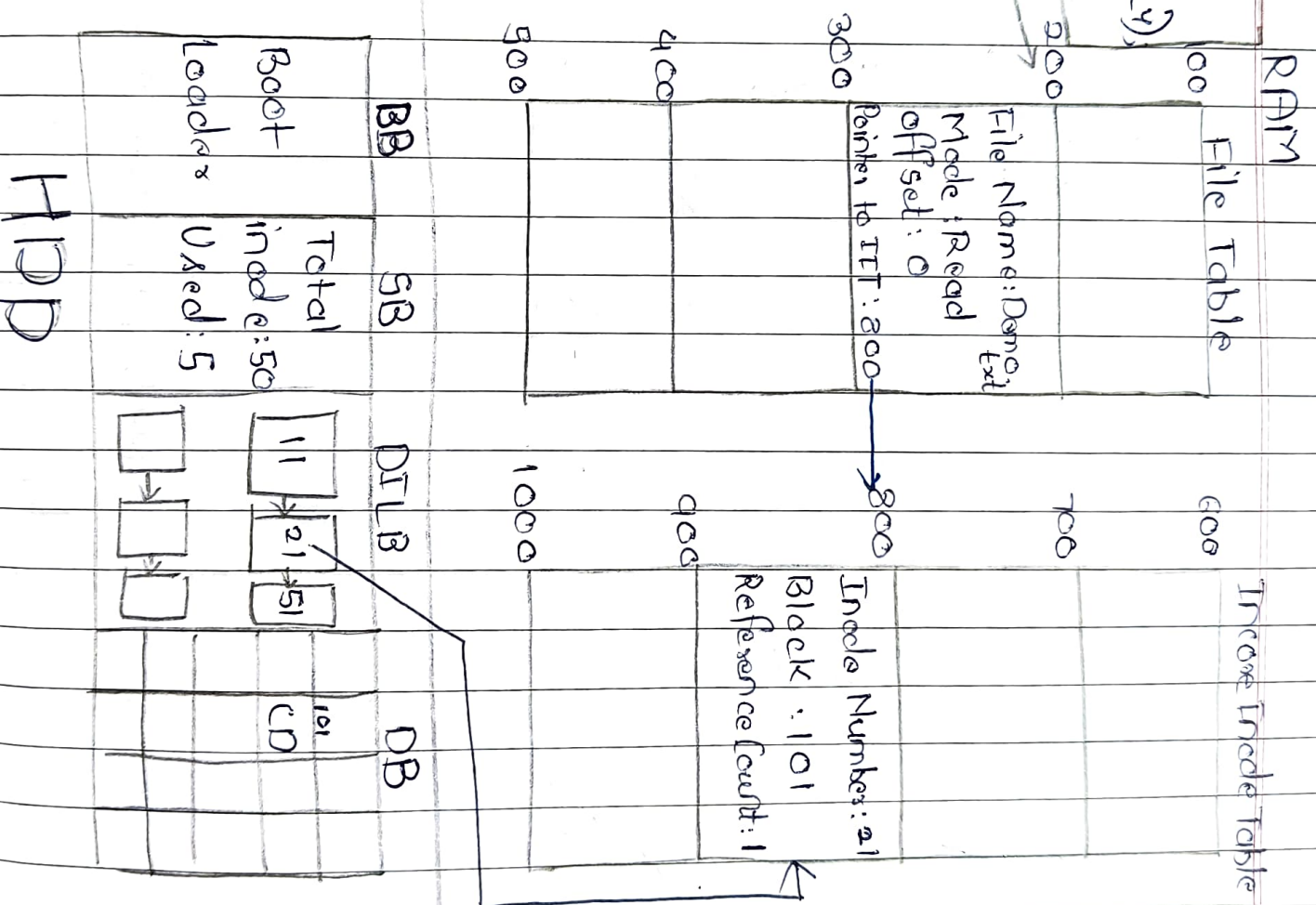


Inode: Holds  
information  
about the file

1KB block which  
holds files data

# File Management System (in RAM)

→ All the below DS are created when our OS performs the file management task.



## Application Program

```
int fd = 0;
```

```
fd = open("Demo.txt", O_RDONLY);
```

```
fd 3
```

UNREF

UFDT

Demo.txt

CD

HDD