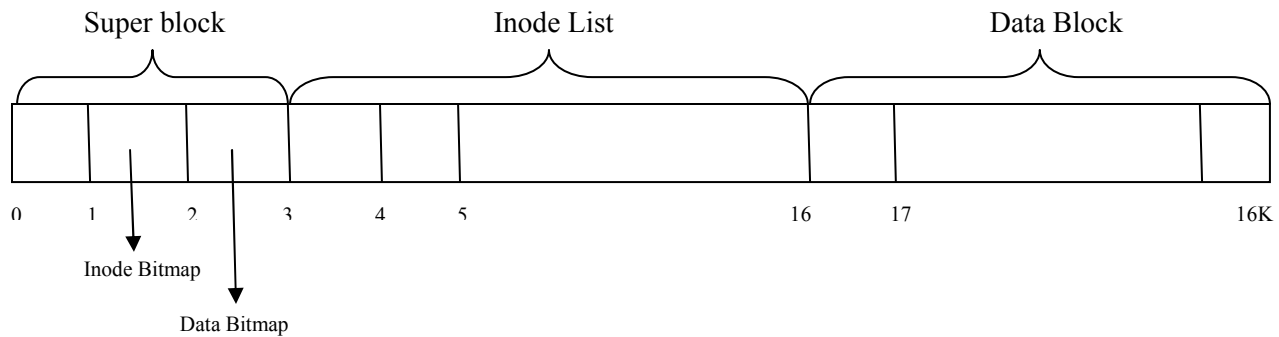


Structure of the file system:



Structure of Inode :

struct inode

```
{  
    int mode;  
    int type;  
    int size;  
    date timestamp;  
    int ptr[13];  
}arr_inode[128];
```

Number of inode in our file system is 128

Size of each inode = 100 byte

Structure of incore inode:

struct incore_inode

```
{  
    int mode;  
    int type;
```

```
int size;  
date timestamp;  
int ptr[13];  
boolean lock; //for semaphore  
int inode_no;  
};
```

Structure of the buffer:

```
struct buffer  
{  
    int lock;  
    int block_no;  
}arr_buffer[2];
```