echo "Corrupt the superblock"

Corrupt the superblock
root@IT4100-10G: /mounts/d2

root@IT4100-10G: /mounts/d2# cd d2/
root@IT4100-10G: /mounts/d2# mount | grep d2
/dev/sda7 on /mounts/d2 type ext4 (rw,relatime,data=ordered)
root@IT4100-10G: /mounts/d2# echo "See it is mounted"
See it is mounted
root@IT4100-10G: /mounts/d2#
for i in {1..10}; do touch file_${i}.txt; done

ls

file_1.txt file_2.txt file_4.txt file_6.txt file_8.txt
```
root@IT4100-10G:/mounts/d2# echo "Now for some corruption"
Now for some corruption
root@IT4100-10G:/mounts/d2# dd if=/dev/zero of=/dev/sda7 count=1 bs=2048 seek=1
1+0 records in
1+0 records out
2048 bytes (2.0 kB, 2.0 KiB) copied, 0.00199574 s, 1.0 MB/s
root@IT4100-10G:/mounts/d2# ```
root@IT4100-10G:/mounts
cd ..

root@IT4100-10G:/mounts#
umount d2

mount /dev/sda7 on /mounts/d2 failed: Structure needs cleaning

root@IT4100-10G:/mounts#
echo "Uh oh!!!!"
echo "Uh ohmount d2mount d2"

Uh ohmount d2mount d2

root@IT4100-10G:/mounts#
root@IT4100-10G:/mounts# fsck.ext4 -vy /dev/sda7

e2fsck 1.42.13 (17-May-2015)
ext2fs_check_desc: Corrupt group descriptor: bad block for block bitmap
fsck.ext4: Group descriptors look bad... trying backup blocks...
/dev/sda7 was not cleanly unmounted, check forced.
Pass 1: Checking inodes, blocks, and sizes
Pass 2: Checking directory structure
Pass 3: Checking directory connectivity
/lost+found not found. Create? yes

Pass 4: Checking reference counts
Pass 5: Checking group summary information
Free blocks count wrong for group #0 (14714, counted=14722).
Fix? yes

Free blocks count wrong for group #1 (16333, counted=16332).
Fix? yes

Free blocks count wrong (45332, counted=45339).
Fix? yes

Free inodes count wrong for group #0 (6388, counted=6378).
Fix? yes

Directories count wrong for group #0 (3, counted=2).
Fix? yes
Free inodes count wrong (25588, counted=25578).
Fix? yes

/dev/sda7: ***** FILE SYSTEM WAS MODIFIED *****

22 inodes used (0.09%, out of 25600)
  0 non-contiguous files (0.0%)
  0 non-contiguous directories (0.0%)
    # of inodes with ind/dind/tind blocks: 0/0/0
    Extent depth histogram: 13
5861 blocks used (11.45%, out of 51200)
  0 bad blocks
  0 large files

11 regular files
  1 directory
  0 character device files
  0 block device files
  0 fifos
  0 links
  0 symbolic links (0 fast symbolic links)
  0 sockets

---------------------
12 files

root@IT4100-10G:/mounts#
mount d2
ls d2/

ls d2/

lost+found