Embedded Linux course - Block filesystems

Total des points 4/10

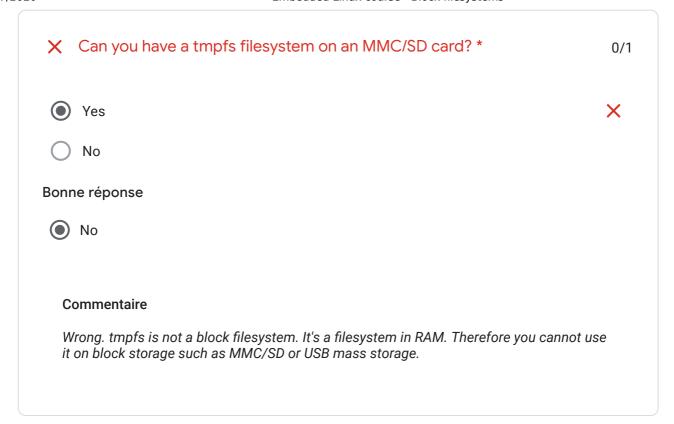
★ How to find block devices on your Linux system? *	0/1
Cat /proc/block	
Cat /proc/partitions	
cat /sys/block	×
Cat /sys/partitions	
Bonne réponse	
cat /proc/partitions	
Commentaire Wrong. You could check on your GNU/Linux PC too. By the way, /sys/block is a directory, you cannot run cat on it, though it contains subdirectories with information about block devices. The other paths don't exist.Correct. Check on your GNU/Linux PC too.	

block device *	
dd	×
Bonnes réponses	
fdisk	
cfdisk	
sfdisk	
parted	
Commentaire	
Valid answers are: fdisk, cfdisk, sfdisk, parted. If you think that another solution should be worth accepting here, please write to feedback@bootlin.com .	
Can you use the "dd" command to copy the zlmage and dtb files to a partition? *	FAT 1/1
True	
False	✓
Commentaire	
Correct. The "dd" command would overwrite the raw data in the partition, corrupting the filesystem. You should mount the block device corresponding to the partition first, and then copy the files through normal commands (cp, rsync). Then, don't forget to unm	d

✓ What's the command to unmount a filesystem? *	1/1
umount	✓
Commentaire The correct command is "umount", not "unmount". Every byte matters in UNIX;-)	
X Give me a command to list mounted filesystems. Please, keep in mind that I am only a computer and I can only recognize a few valid answers. Don't be too creative! *	0/1
<u>Is</u>	×
Bonnes réponses	
mount	
cat /proc/mounts	

✓ Is ext3 a journaling filesystem ? *	1/1
YesNo	✓
Commentaire Correct. ext2 isn't one, but ext3 and ext4 are.	
✓ Does the Squashfs filesystem have journaling? *	1/1
Yes No	✓
Commentaire Correct. Squashfs is a read-only filesystem. It can never be modified and therefore doe need journaling as a protection against filesystem corruption.	sn't

What's the mount option to mount a filesystem image instead of a bloc device? *		
<u>-t</u>	×	
Bonnes réponses		
-o loop		
Гоор		
Commentaire		
Note that you could to that with the "losetup" command instead, but "mount -o loop" does that transparently:	oes	
<pre>> losetup -f (to find the first free loop device) > losetup /dev/loop10 ext2.img > mount /dev/loop10 /mnt/dir</pre>		
Instead of just: mount -o loop ext2.img /mnt/dir		
X Can you have a read-write partition in a Squashfs root filesystem? *	0/1	
○ Yes		
No	×	
Bonne réponse		
Yes		
Commentaire		
Wrong. Even though the root filesystem is read-only, you can mount read-write partitions on a read-only directory.		



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