Act 1

```
aj@aj-VirtualBox:~/Desktop$ sudo mkfs.ext4 /dev/sdd1
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 85504 4k blocks and 85536 inodes
Filesystem UUID: 51e668c8-d8da-4756-97c9-47cd772336b7
Superblock backups stored on blocks:
        32768

Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done

aj@aj-VirtualBox:~/Desktop$ sudo fdisk /dev/sdd

Welcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.


Command (m for help): p
Disk /dev/sdd: 1 GiB, 1073741824 bytes, 2097152 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xd4c6ec9b

Device     Boot Start    End Sectors  Size Id Type
/dev/sdd1        2048 686079  684032  334M  0 Empty

Command (m for help):
```

```
Device     Boot  Start     End Sectors  Size Id Type
/dev/sdd1         2048  686079  684032  334M 83 Linux
/dev/sdd2       686080 1077247  391168  191M  5 Extended
/dev/sdd5       688128  688218      91 45,5K 83 Linux
/dev/sdd6       692224  868351  176128   86M 83 Linux
```

Act2
ls –d /etc/[^g]* | wc -l | tee /tmp/ficheros_etc.txt

Act 3
ls ?????[0-9]

Act 4
grep -i "Aitana Bonmati" Deportista_Beltran.txt

Act 5
sed -i 's/laura gil, edad 30 años/alba torrens, edad 34 años/g' Deportista_Beltran.txt

Act 6

```bash
#!/bin/bash

echo -n "Dime un numero de 1 a 30: "
read num

 if [ "$num" -gt "30" ]; then
        echo "no es un numero valido"
        exit 1
 fi

for i in {1..$num};
do
    echo $i; echo
done
```

Act 7

```bash
#!/bin/bash

echo -n "Dime un directorio donde quieres saber info de sus archivos: "
read directorio

echo "Has dicho el directorio: $directorio"
sleep 1
ls /$directorio/ -lh
```

Act 8

```bash
#!/bin/bash

echo -n "Dime el directorio donde quieres buscar: "
read directorio

echo -n "Dime la extencion que de los archivos que quieres buscar: "
read extencion

if [ -d /"$directorio"/ ]; then
    echo "El directorio $directorio existe."
    sleep 1
else
    echo "El directorio $directorio no existe."
    exit 1
fi

ls -1 -R -l /$directorio/ *.$extencion
```