Lab 5.1

Go to the directory xv6

make clean

Compile xv6 with **make qemu** it will also run the **xv6** on **qemu**.

Try some commands (ex. **ls, cat,** …).

Exit **qemu**

make qemu-gdb

Check if the script file **qemu.sh** does not exist, in this case, copy the last line of the screen, something like:

qemu -serial mon:stdio -hdb fs.img xv6.img -smp 2 -m 512 -S -gdb tcp::26000

on **qemu.sh**

Then, run **qemu** without suspending it, using

qemu -serial mon:stdio -hdb fs.img xv6.img -smp 2 -m 512

Using **cat** and redirection, create a file **test.txt** including the string**:**

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Exit **qemu**

Notice that if you run again **qemu**, the file created is stored in the filesystem (try **ls**).

Check that a **.gdbinit** file exist that refers to the same tcp port (26000)

run **./qemu.sh** on a window

run **ddd&** on another window

Write a report that lists and comments the sequence of system calls that are performed after issuing the command

```
wc < myname.txt | grep 1
```