Lab 7.1

Compile, install and test the **hello-5** driver.
Write a report that lists the steps that you followed, and that indicates where you find the outputs.

Lab 7.2

Compile, install the **chardev_SDP_lab** driver.
Compile the program **test_chardev.c**
Execute **test_chardev /dev/chardev_SDP_lab**
Verify that it works correctly.

Give the command **echo something > /dev/chardev_SDP_lab**
Try **cat /dev/chardev_SDP_lab**
what is its output?
Why **test_chardev /dev/chardev_SDP_lab** gives the correct results, whereas **cat** does not behave as expected?

Correct your device driver to produce the expected results both using **test_chardev** and **cat**.
In particular, verify that executing in sequence the commands:

```
echo something > /dev/chardev_SDP_lab
cat /dev/chardev_SDP_lab
echo xxx > /dev/chardev_SDP_lab
cat /dev/chardev_SDP_lab
```

you get the strings **something** and **xxx**, respectively, nothing else.

Hints:
  – Use **printk** to follow the control and data flow**,** this should allow you to figure out what is the difference between **test_chardev** and **cat** and to change your driver code.

Post your code, a description of your solution, and examples of usage of your driver.

Create a compressed **tgz** archive file with this syntax:
Lab <LAB_number>_<Your_Id_number>_<YourLastname>. tgz
Example:
Lab07_123456_Smith.tgz
which includes the **report** for the first assignment and the **driver source** file for the second assignment.
Drop your **tgz file** in the folder **Elaborati** of the SDP site of Portale della didattica.