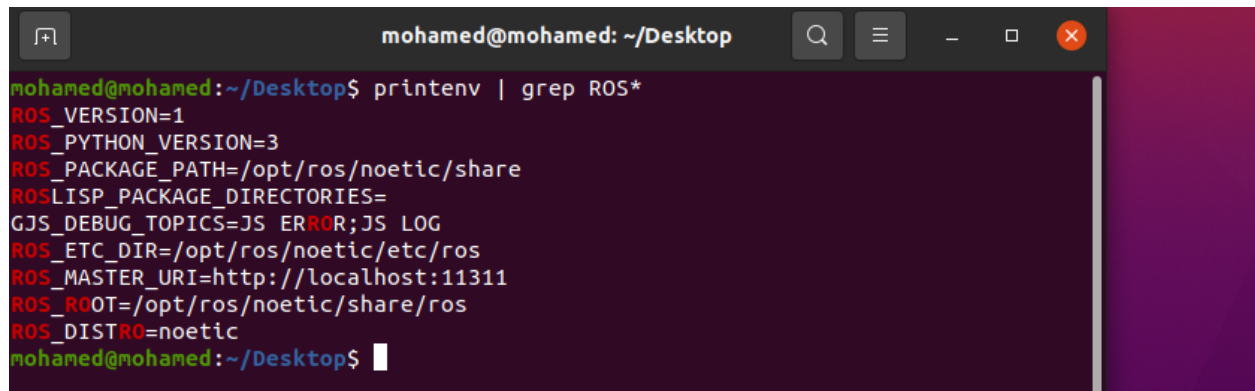


1-Install ROS(melodic or noetic) after installing, open terminal and run this command `printenv | grep ROS*` screenshot the output.

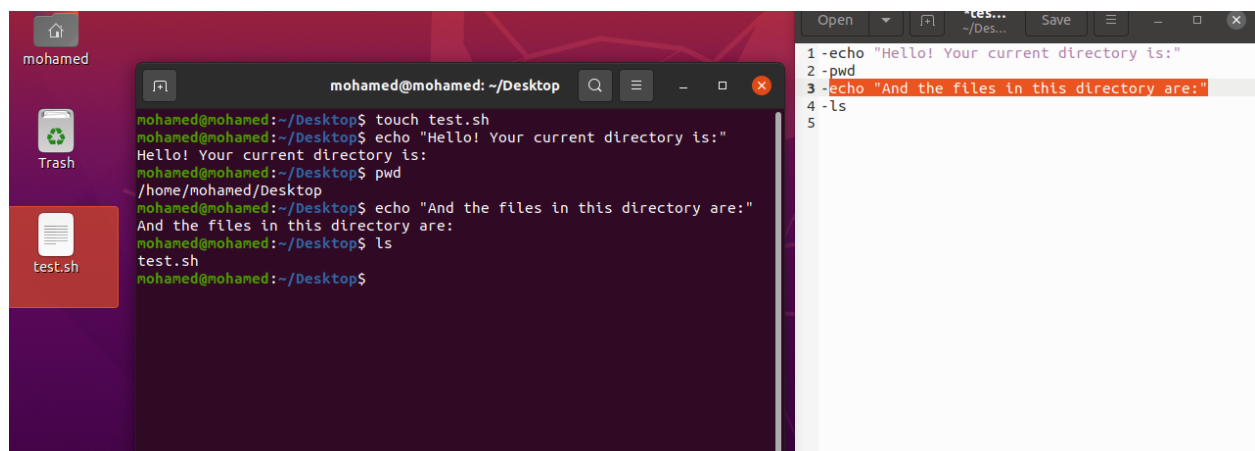
A terminal window titled 'mohamed@mohamed: ~/Desktop' showing the output of the command 'printenv | grep ROS\*'. The output lists various ROS environment variables in red text, including ROS\_VERSION, ROS\_PYTHON\_VERSION, ROS\_PACKAGE\_PATH, ROSLISP\_PACKAGE\_DIRECTORIES, GJS\_DEBUG\_TOPICS, ROS\_ETC\_DIR, ROS\_MASTER\_URI, ROS\_ROOT, and ROS\_DISTRO.

```
mohamed@mohamed: ~/Desktop
mohamed@mohamed:~/Desktop$ printenv | grep ROS*
ROS_VERSION=1
ROS_PYTHON_VERSION=3
ROS_PACKAGE_PATH=/opt/ros/noetic/share
ROSLISP_PACKAGE_DIRECTORIES=
GJS_DEBUG_TOPICS=JS ERROR;JS LOG
ROS_ETC_DIR=/opt/ros/noetic/etc/ros
ROS_MASTER_URI=http://localhost:11311
ROS_ROOT=/opt/ros/noetic/share/ros
ROS_DISTRO=noetic
mohamed@mohamed:~/Desktop$
```

2-Create a file called **test.sh** Put some commands in the file:

- echo "Hello! Your current directory is:"
- pwd
- echo "And the files in this directory are:"
- ls

Run this **script** and screen output. how!?. Just search..

Two screenshots are shown. The left screenshot shows a terminal window where a script named 'test.sh' is created and executed. The right screenshot shows a file editor with the script's content.

```
mohamed@mohamed:~/Desktop
mohamed@mohamed:~/Desktop$ touch test.sh
mohamed@mohamed:~/Desktop$ echo "Hello! Your current directory is:"
Hello! Your current directory is:
mohamed@mohamed:~/Desktop$ pwd
/home/mohamed/Desktop
mohamed@mohamed:~/Desktop$ echo "And the files in this directory are:"
And the files in this directory are:
mohamed@mohamed:~/Desktop$ ls
test.sh
mohamed@mohamed:~/Desktop$
```

```
1 -echo "Hello! Your current directory is:"
2 -pwd
3 -echo "And the files in this directory are:"
4 -ls
5
```