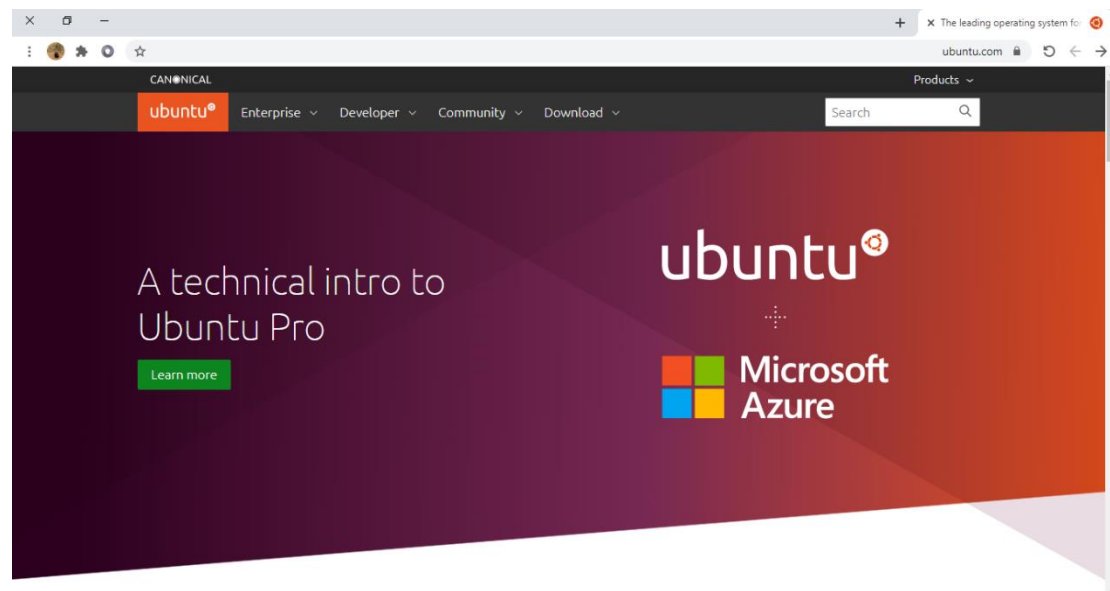


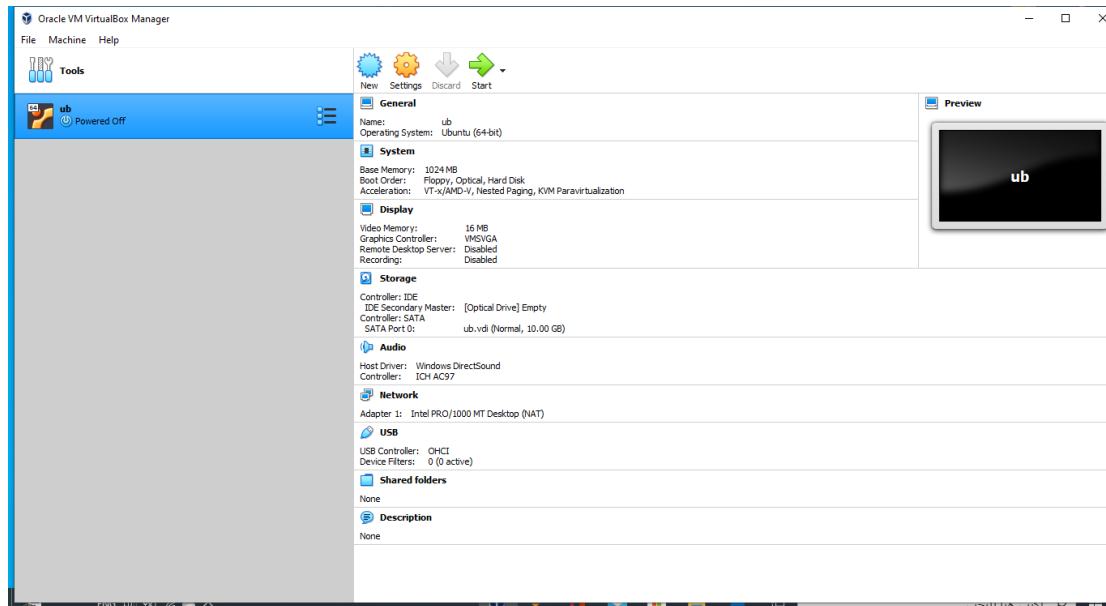
First we download the virtual box :

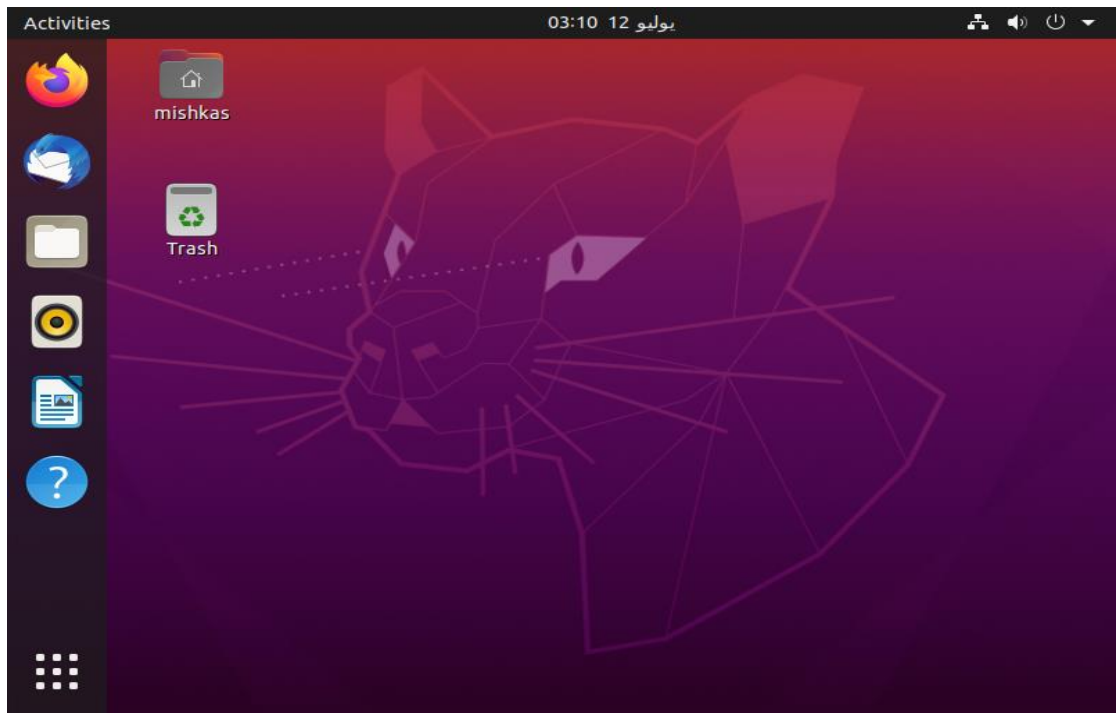


Second we download the ubuntu :

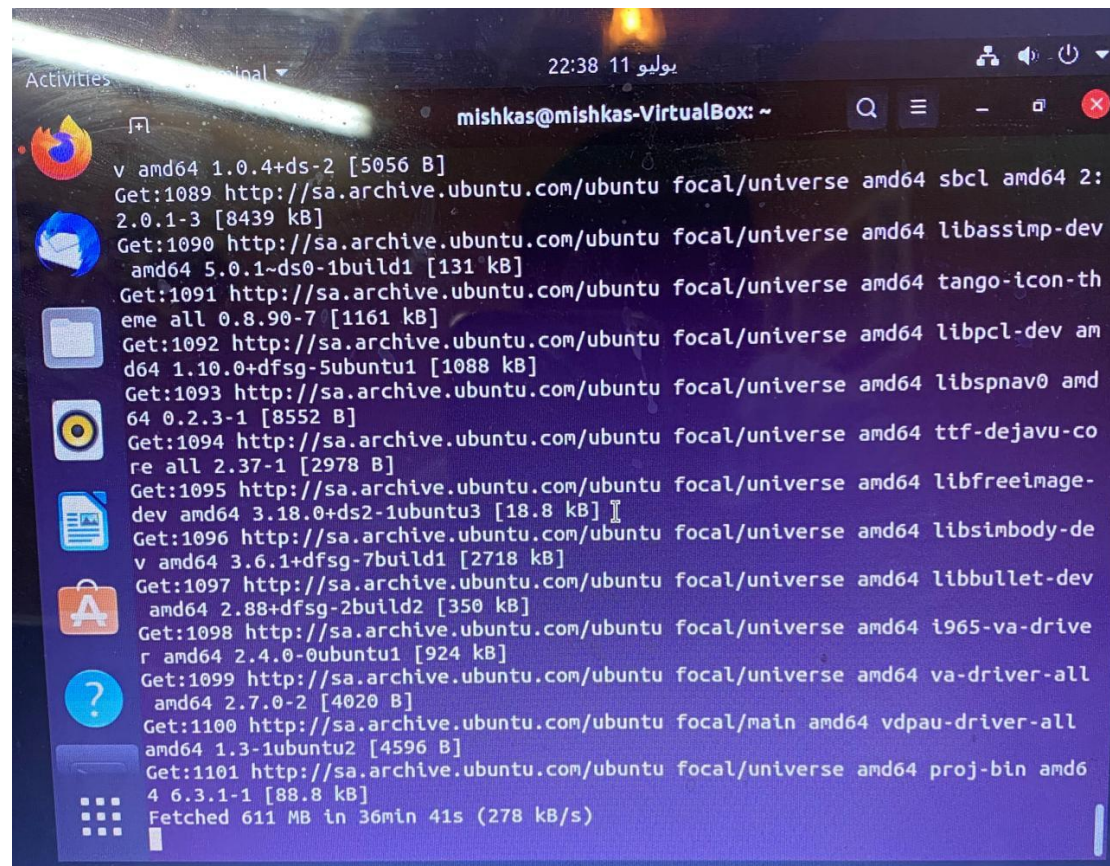


And we run the ubuntu by virtual box :





After that we installed ros :



The screenshot shows a terminal window titled "mishkas@mishkas-VirtualBox: ~" with a search icon, a menu icon, and window control buttons. The terminal output displays the installation of various ROS packages from the Ubuntu archive. The packages are listed with their version, architecture, and size. The installation progress is shown with a progress bar at the bottom.

```
v amd64 1.0.4+ds-2 [5056 B]
Get:1089 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 sbcl amd64 2:
2.0.1-3 [8439 kB]
Get:1090 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libassimp-dev
amd64 5.0.1~ds0-1build1 [131 kB]
Get:1091 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 tango-icon-th
eme all 0.8.90-7 [1161 kB]
Get:1092 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libpcl-dev am
d64 1.10.0+dfsg-5ubuntu1 [1088 kB]
Get:1093 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libspnav0 amd
64 0.2.3-1 [8552 B]
Get:1094 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 ttf-dejavu-co
re all 2.37-1 [2978 B]
Get:1095 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libfreeimage-
dev amd64 3.18.0+ds2-1ubuntu3 [18.8 kB]
Get:1096 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libsimbody-de
v amd64 3.6.1+dfsg-7build1 [2718 kB]
Get:1097 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 libbullet-dev
amd64 2.88+dfsg-2build2 [350 kB]
Get:1098 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 i965-va-drive
r amd64 2.4.0-0ubuntu1 [924 kB]
Get:1099 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 va-driver-all
amd64 2.7.0-2 [4020 B]
Get:1100 http://sa.archive.ubuntu.com/ubuntu focal/main amd64 vdpau-driver-all
amd64 1.3-1ubuntu2 [4596 B]
Get:1101 http://sa.archive.ubuntu.com/ubuntu focal/universe amd64 proj-bin amd6
4 6.3.1-1 [88.8 kB]
Fetched 611 MB in 36min 41s (278 kB/s)
```