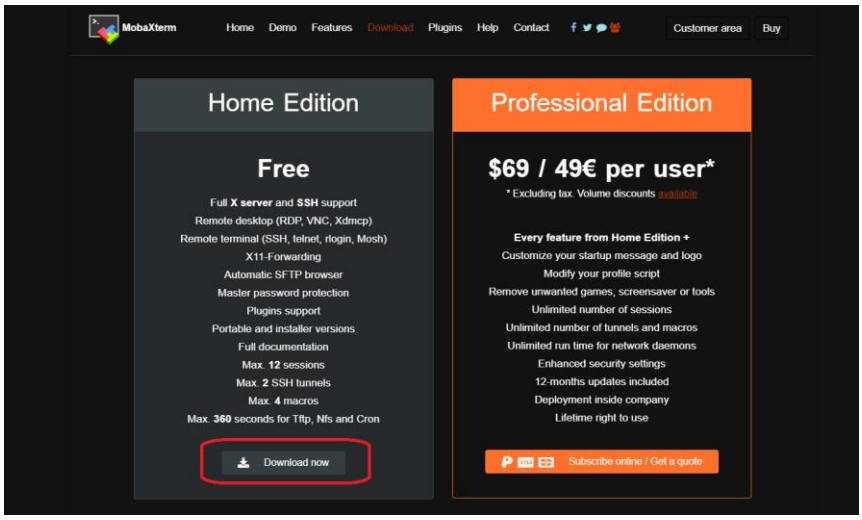
# Machine Learning Intelligent Chip Design

## Lab0: Familiar with the work environment

### Download MobaXterm

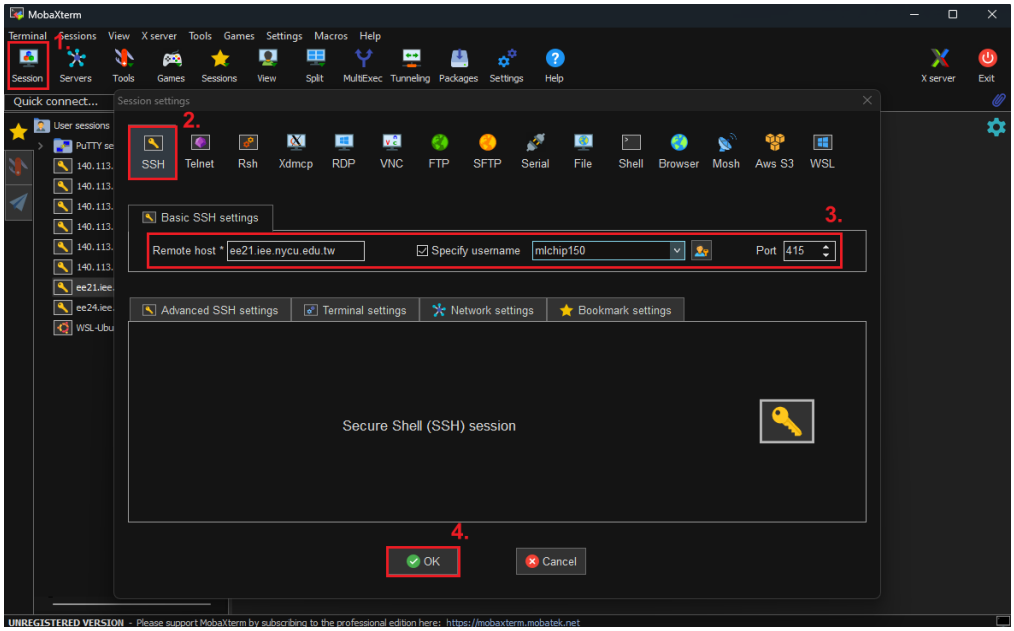
Go to https://mobaxterm.mobatek.net/download.html download MobaXterm and install




### Claim your account and fill out the Google form

**Google Form**

- Host: [ee21~ee35].iee.nycu.edu.tw
- User name: mlchip001~150
- Port: **415**
- Default Password: **mlchip** (you need to change it when you first log in)



1. When logging in to the server, please enter ‘layout’, otherwise the EDA tool environment will conflict with ‘systemc.h’.

```
=====================================================
>>> Are you sure to login?
>>> Type 'yes', 'layout' or 'coding' to start
=====================================================
> layout
```

2. Copy lab0 from TA’s shared folder

   **cp /RAID2/COURSE/mlchip/mlchipTA01/sharing/lab0.zip .**

   **unzip lab0.zip**

```
16:05 mlchip150@ee21[~]$ cp /RAID2/COURSE/mlchip/mlchipTA01/sharing/lab0.zip .
16:05 mlchip150@ee21[~]$ unzip lab0.zip
Archive:  lab0.zip
   creating: lab0/
  inflating: lab0/Makefile
  inflating: lab0/hello.cpp
```

3. Enter the directory of the hello example

   **cd lab0**

   **make**

```
16:09 mlchip150@ee21[~]$ cd lab0
16:09 mlchip150@ee21[~/lab0]$ make
g++ -I . -I  /RAID2/COURSE/mlchip/mlchipTA01/systemc-2.3.3
A01/systemc-2.3.3/lib-linux64
./run

        SystemC 2.3.3-Accellera --- Mar  2 2024 23:27:20
        Copyright (c) 1996-2018 by all Contributors,
        ALL RIGHTS RESERVED
Hello world using approach 1
Hello world using approach 2
```

4. Clear executable binary file

   **make clean**

```
16:09 mlchip150@ee21[~/lab0]$ make clean
rm -rf run
16:09 mlchip150@ee21[~/lab0]$ ls
Makefile  hello.cpp
```