Ass 4

Name: Ahmed Khaled Saad Ali ID: 1809799

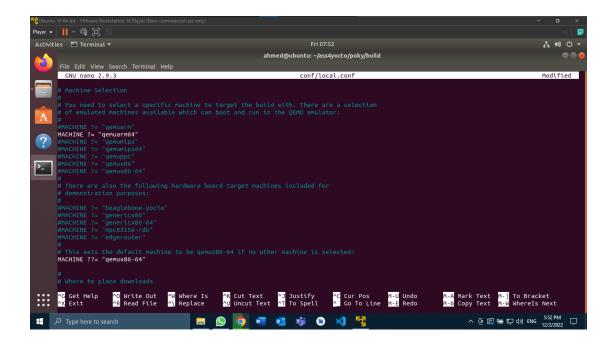
Name: Khalid Mohamed Mahmoud Salman ID: 19P5482

1. Download Yocto Project

```
ahmed@ubuntu:~/ass4yocto$ git clone git://git.yoctoproject.org/poky
Cloning into 'poky'...
remote: Enumerating objects: 583486, done.
remote: Counting objects: 100% (2685/2685), done.
remote: Compressing objects: 100% (1169/1169), done.
remote: Total 583486 (delta 1783), reused 2024 (delta 1497), pack-reused 580801
Receiving objects: 100% (583486/583486), 189.02 MiB | 2.42 MiB/s, done.
Resolving deltas: 100% (5323/5323), done.
Checking out files: 100% (5323/
```

2. Change the machine to qemu-arm-64

- 'oe-pkgdata-util' handles common target package tasks ahmed@ubuntu:~/ass4yocto/poky/build\$ nano conf/local.conf ahmed@ubuntu:~/ass4yocto/poky/build\$



3. Bitbake the minimal-core-image

```
ahmed@ubuntu:~/ass4yocto/poky$ source oe-init-build-env
Command 'python2' not found, but can be installed with:
sudo apt install python-minimal
OpenEmbedded requires 'python' to be python v2 (>= 2.7.3), not python v3.
Please upgrade your python v2.
You had no conf/local.conf file. This configuration file has therefore been
created for you with some default values. You may wish to edit it to, for
example, select a different MACHINE (target hardware). See conf/local.conf
for more information as common configuration options are commented.
You had no conf/bblayers.conf file. This configuration file has therefore been
created for you with some default values. To add additional metadata layers
into your configuration please add entries to conf/bblayers.conf.
The Yocto Project has extensive documentation about OE including a reference
manual which can be found at:
    http://yoctoproject.org/documentation
For more information about OpenEmbedded see their website:
   http://www.openembedded.org/
### Shell environment set up for builds. ###
You can now run 'bitbake <target>'
```

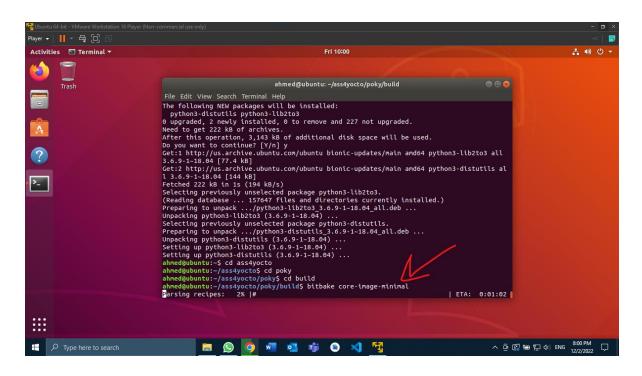
```
You can now run 'bitbake <target>'

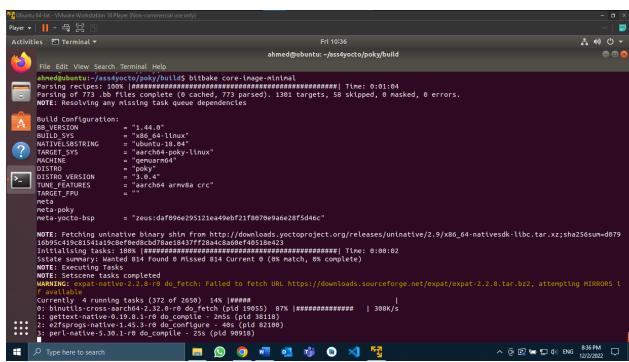
Common targets are:
    core-image-minimal
    core-image-sato
    meta-toolchain
    meta-ide-support

You can also run generated qemu images with a command like 'runqemu qemux86'

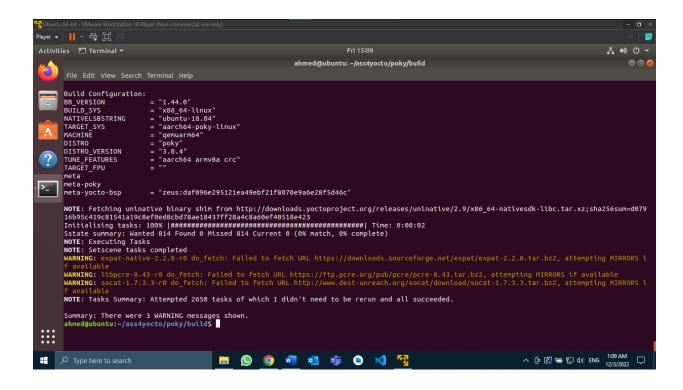
Other commonly useful commands are:
    'devtool' and 'recipetool' handle common recipe tasks
    'bitbake-layers' handles common layer tasks
    'oe-pkgdata-util' handles common target package tasks

ahmed@ubuntu:~/ass4yocto/poky/build$
```

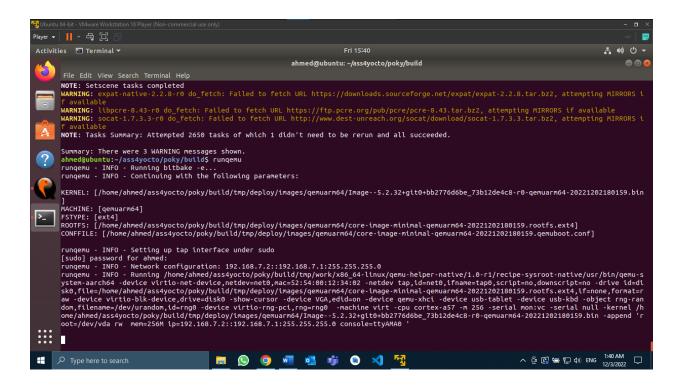




Bitbake Succeeded



4. Run the generated image in the QEMU



(Tried Date command)

