# Embedded System Architecture 2

## LAB 4

### FALL 2019

**INSTRUCTOR:** Mohsen Salahi

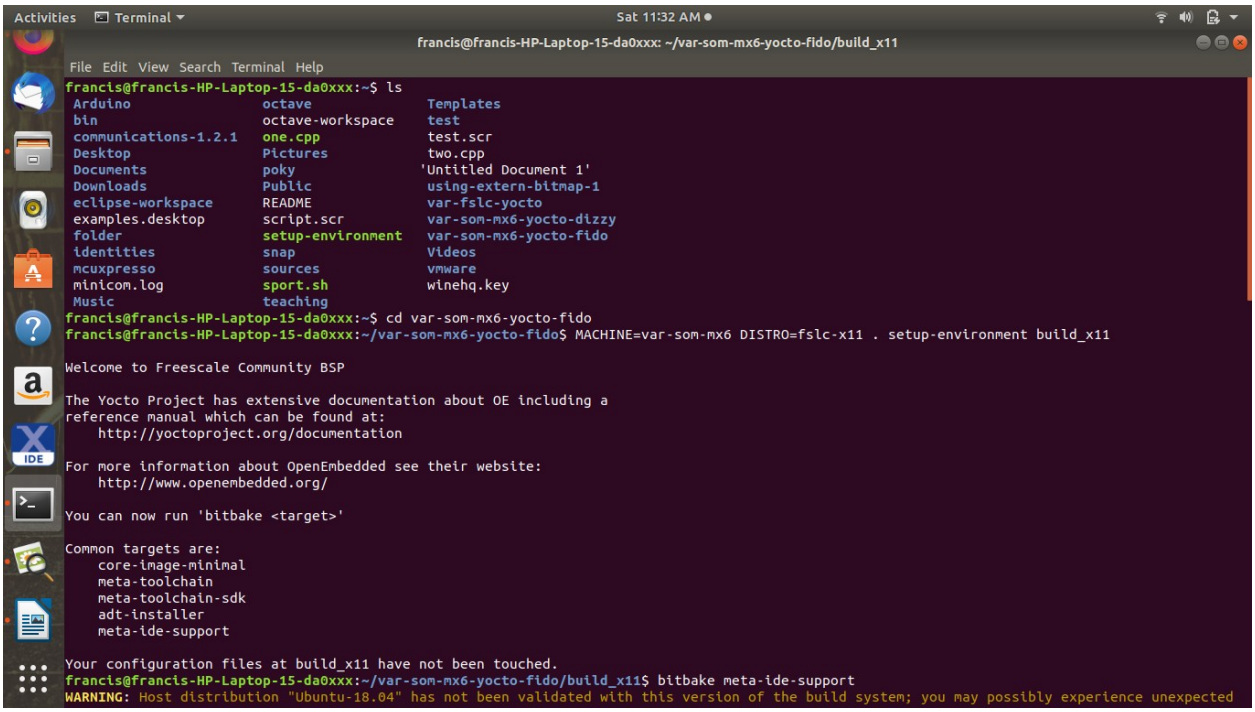
**CLASS:** **ESE 3005**

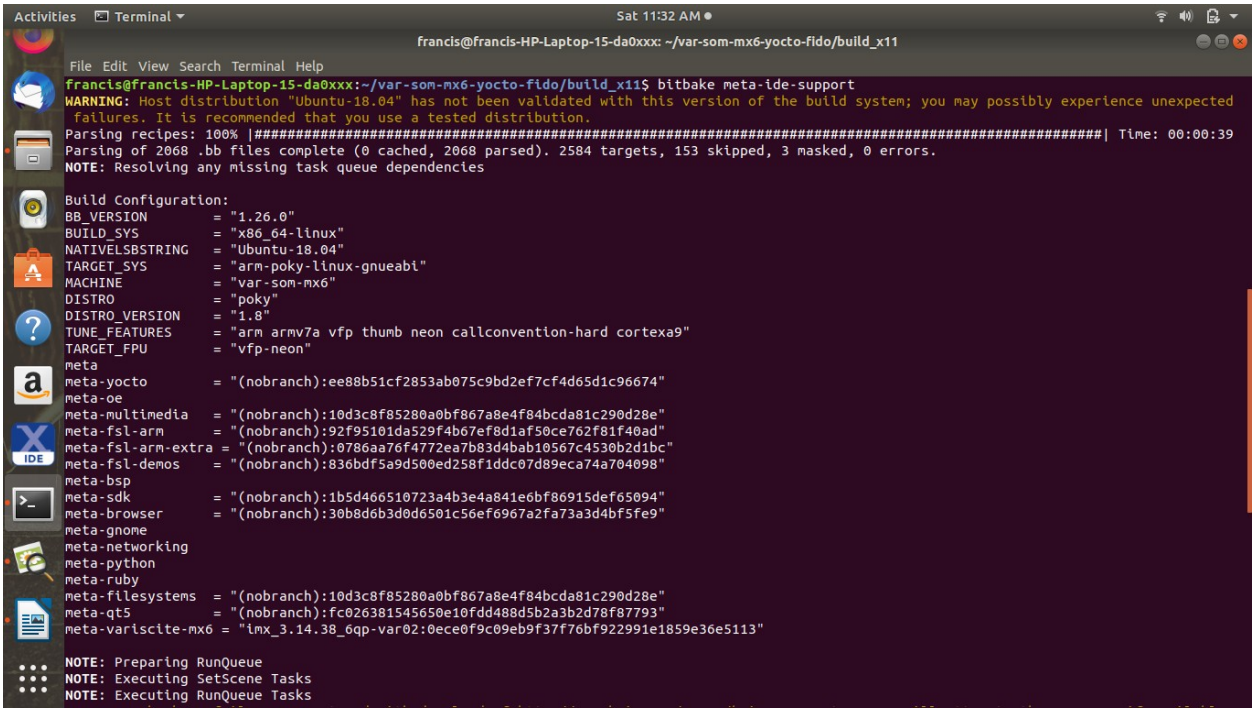
| Student Name | Student ID | Signature* |
|---|---|---|
| FRANCIS VIJITH | C0742980 | FV |
| NIBIN SOBY | C0741660 | NS |
| AKHIL GEORGE | C0748466 | AG |
| VIJAYAPRAKASH | C0744450 | VI |
| PRATHYUSHA MUNI | C0743277 | PM |
| YUKTI BEHAL | C0745796 | YB |
| BINDU BOORA | C0744442 | BB |

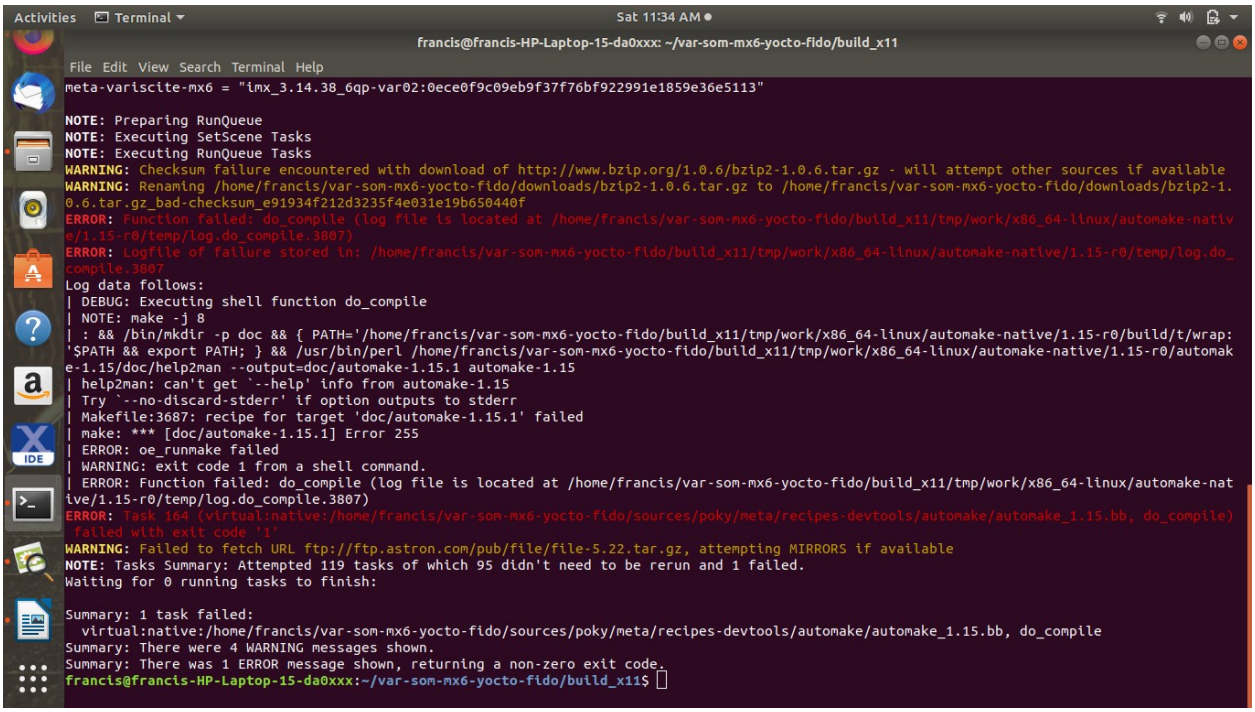
**By signing above you attest that you have contributed to this submission and confirm that all work you have contributed to this submission is your own work. Any suspicion of copying or plagiarism in this work will result in an investigation of Academic Misconduct and may result in a "0" on the work, an "F" in the course, or possibly more severe penalties.*

# *Lab 2 Touchscreen GUI Development*

## BUILDING THE TOOL CHAIN FOR YOCTO BULIDS

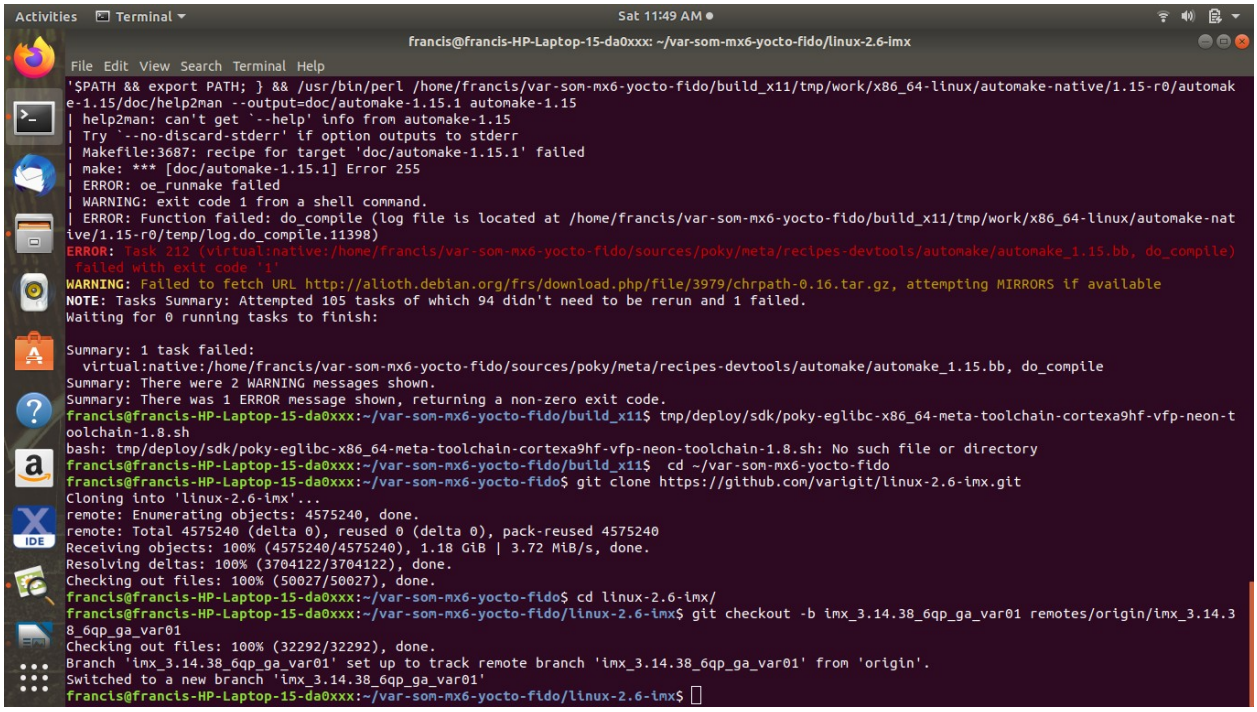



Activities
Terminal
Sat 11:32 AM
francis@francis-HP-Laptop-15-da0xxx: ~/var-som-mx6-yocto-fido/build_x11
File Edit View Search Terminal Help
francis@francis-HP-Laptop-15-da0xxx:~/var-som-mx6-yocto-fido/build_x11$ bitbake meta-ide-support
WARNING: Host distribution "Ubuntu-18.04" has not been validated with this version of the build system; you may possibly experience unexpected failures. It is recommended that you use a tested distribution.
Parsing recipes: 100% |#########################################################################################################| Time: 00:00:39
Parsing of 2068 .bb files complete (0 cached, 2068 parsed). 2584 targets, 153 skipped, 3 masked, 0 errors.
NOTE: Resolving any missing task queue dependencies
Build Configuration:
BB_VERSION = "1.26.0"
BUILD_SYS = "x86_64-linux"
NATIVELSBSTRING = "Ubuntu-18.04"
TARGET_SYS = "arm-poky-linux-gnueabi"
MACHINE = "var-som-mx6"
DISTRO = "poky"
DISTRO_VERSION = "1.8"
TUNE_FEATURES = "arm armv7a vfp thumb neon callconvention-hard cortexa9"
TARGET_FPU = "vfp-neon"
meta
meta-yocto = "(nobranch):ee88b51cf2853ab075c9bd2ef7cf4d65d1c96674"
meta-oe
meta-multimedia = "(nobranch):10d3c8f85280a0bf867a8e4f84bcda81c290d28e"
meta-fsl-arm = "(nobranch):92f95101da529f4b67ef8d1af50ce762f81f40ad"
meta-fsl-arm-extra = "(nobranch):0786aa76f4772ea7b83d4bab10567c4530b2d1bc"
meta-fsl-demos = "(nobranch):836bdf5a9d500ed258f1ddc07d89eca74a704098"
meta-bsp
meta-sdk = "(nobranch):1b5d466510723a4b3e4a841e6bf86915def65094"
meta-browser = "(nobranch):30b8d6b3d0d6501c56ef6967a2fa73a3d4bf5fe9"
meta-gnome
meta-networking
meta-python
meta-ruby
meta-filesystems = "(nobranch):10d3c8f85280a0bf867a8e4f84bcda81c290d28e"
meta-qt5 = "(nobranch):fc026381545650e10fdd488d5b2a3b2d78f87793"
meta-variscite-mx6 = "imx_3.14.38_6qp-var02:0ece0f9c09eb9f37f76bf922991e1859e36e5113"
NOTE: Preparing RunQueue
NOTE: Executing SetScene Tasks
NOTE: Executing RunQueue Tasks

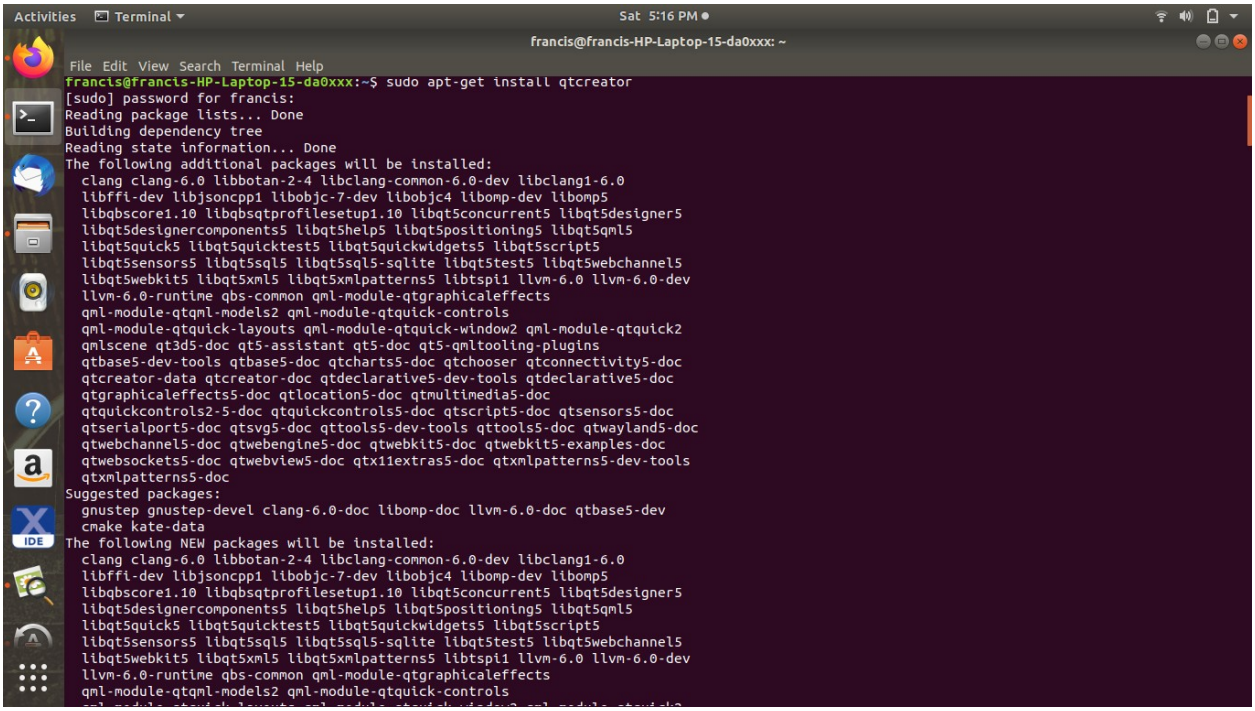

Activities
Terminal
Sat 11:34 AM
francis@francis-HP-Laptop-15-da0xxx: ~/var-som-mx6-yocto-fido/build_x11
File Edit View Search Terminal Help
meta-variscite-mx6 = "imx_3.14.38_6qp-var02:0ece0f9c09eb9f37f76bf922991e1859e36e5113"
NOTE: Preparing RunQueue
NOTE: Executing SetScene Tasks
NOTE: Executing RunQueue Tasks
WARNING: Checksum failure encountered with download of http://www.bzip.org/1.0.6/bzip2-1.0.6.tar.gz - will attempt other sources if available
WARNING: Renaming /home/francis/var-som-mx6-yocto-fido/downloads/bzip2-1.0.6.tar.gz to /home/francis/var-som-mx6-yocto-fido/downloads/bzip2-1.0.6.tar.gz_bad-checksum_e91934f212d3235f4e031e19b650440f
ERROR: Function failed: do_compile (log file is located at /home/francis/var-som-mx6-yocto-fido/build_x11/tmp/work/x86_64-linux/automake-native/1.15-r0/temp/log.do_compile.3807)
ERROR: Logfile of failure stored in: /home/francis/var-som-mx6-yocto-fido/build_x11/tmp/work/x86_64-linux/automake-native/1.15-r0/temp/log.do_compile.3807
Log data follows:
| DEBUG: Executing shell function do_compile
| NOTE: make -j 8
| : && /bin/mkdir -p doc && { PATH='/home/francis/var-som-mx6-yocto-fido/build_x11/tmp/work/x86_64-linux/automake-native/1.15-r0/build/t/wrap:'$PATH && export PATH; } && /usr/bin/perl /home/francis/var-som-mx6-yocto-fido/build_x11/tmp/work/x86_64-linux/automake-native/1.15-r0/automake-1.15/doc/help2man --output=doc/automake-1.15.1 automake-1.15
| help2man: can't get `--help' info from automake-1.15
| Try `--no-discard-stderr' if option outputs to stderr
| Makefile:3687: recipe for target 'doc/automake-1.15.1' failed
| make: *** [doc/automake-1.15.1] Error 255
| ERROR: oe_runmake failed
| WARNING: exit code 1 from a shell command.
| ERROR: Function failed: do_compile (log file is located at /home/francis/var-som-mx6-yocto-fido/build_x11/tmp/work/x86_64-linux/automake-native/1.15-r0/temp/log.do_compile.3807)
ERROR: Task 164 (virtual:native:/home/francis/var-som-mx6-yocto-fido/sources/poky/meta/recipes-devtools/automake/automake_1.15.bb, do_compile) failed with exit code '1'
WARNING: Failed to fetch URL ftp://ftp.astron.com/pub/file/file-5.22.tar.gz, attempting MIRRORS if available
NOTE: Tasks Summary: Attempted 119 tasks of which 95 didn't need to be rerun and 1 failed.
Waiting for 0 running tasks to finish:
Summary: 1 task failed:
virtual:native:/home/francis/var-som-mx6-yocto-fido/sources/poky/meta/recipes-devtools/automake/automake_1.15.bb, do_compile
Summary: There were 4 WARNING messages shown.
Summary: There was 1 ERROR message shown, returning a non-zero exit code.
francis@francis-HP-Laptop-15-da0xxx:~/var-som-mx6-yocto-fido/build_x11$

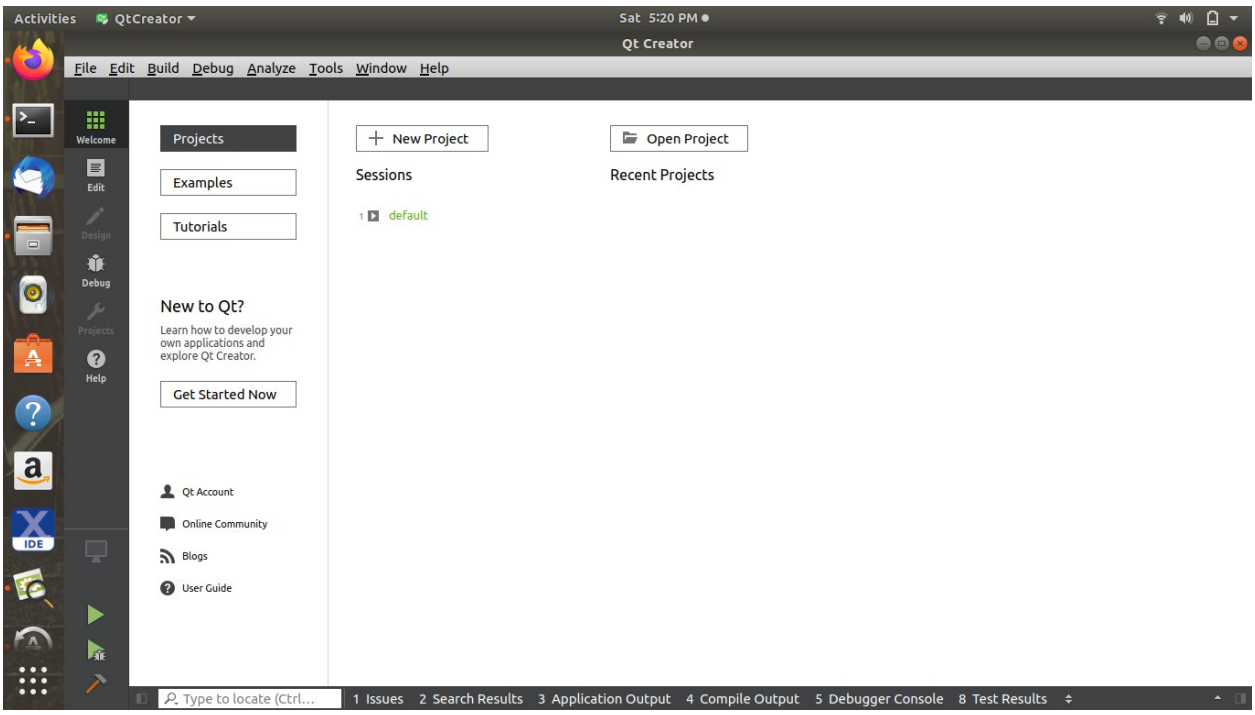
*Process finished with some errors with the docompile file.*

# BUILDING LINUX OUT OF YOCTO TREE



# INSTALLING AND CONFIGURING QT CREATOR




Activities
QtCreator
Sat 5:20 PM
Qt Creator
File Edit Build Debug Analyze Tools Window Help
Welcome
Edit
Design
Debug
Projects
Help
Projects
Examples
Tutorials
New to Qt?
Learn how to develop your own applications and explore Qt Creator.
Get Started Now
Qt Account
Online Community
Blogs
User Guide
New Project
Open Project
Sessions
Recent Projects
1 default
Type to locate (Ctrl...
1 Issues
2 Search Results
3 Application Output
4 Compile Output
5 Debugger Console
8 Test Results