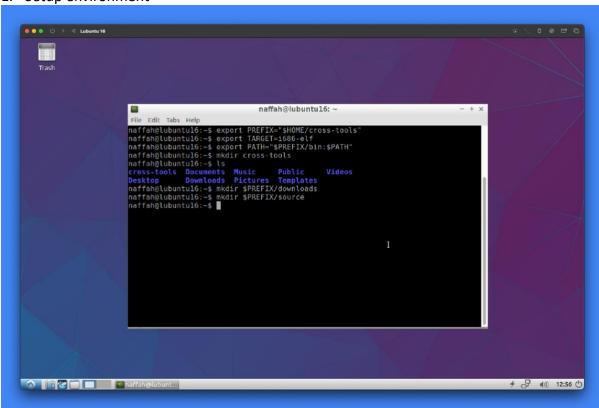
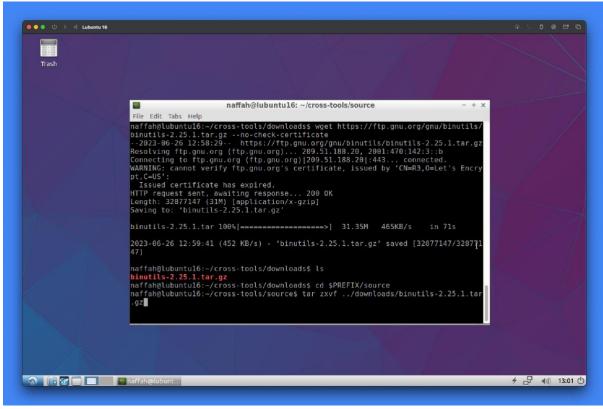
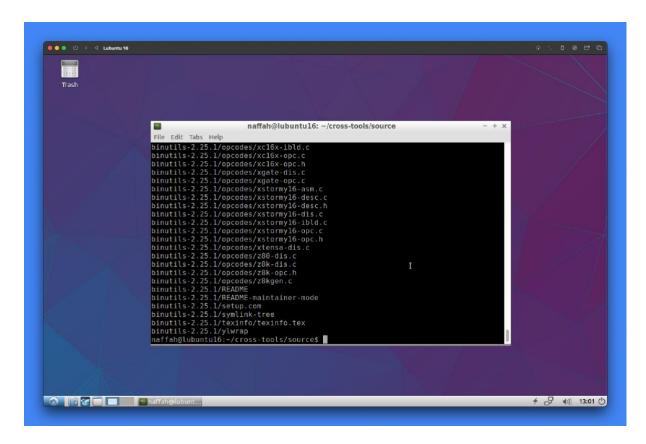
Minimal OS Docs

1. Setup environment



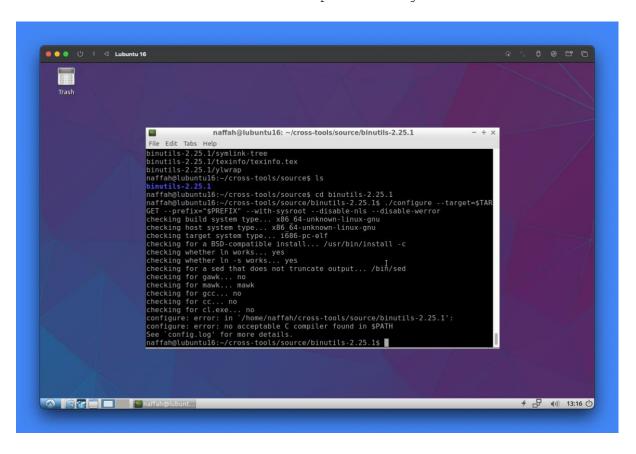
2. Download and extract bin-utils

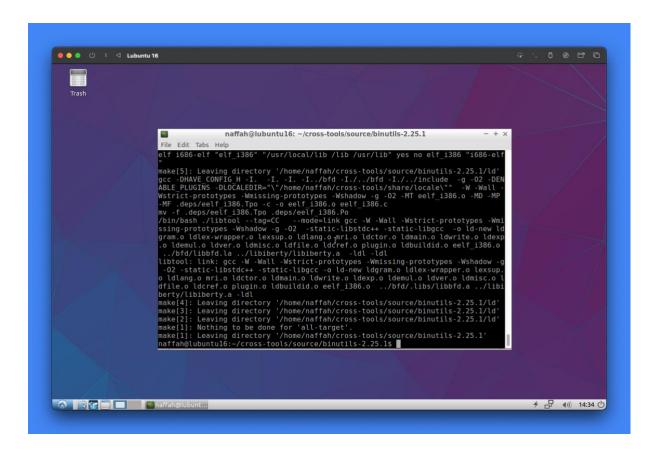




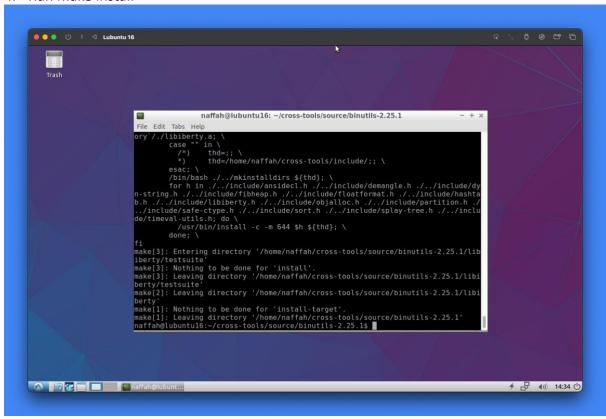
3. Configure binutils source and run make(first screenshot displays gcc not installed!)

```
./configure --target=$TARGET --prefix="$PREFIX" --with-sysroot --disable-nls --disable-werror && sudo apt install gcc && make
```

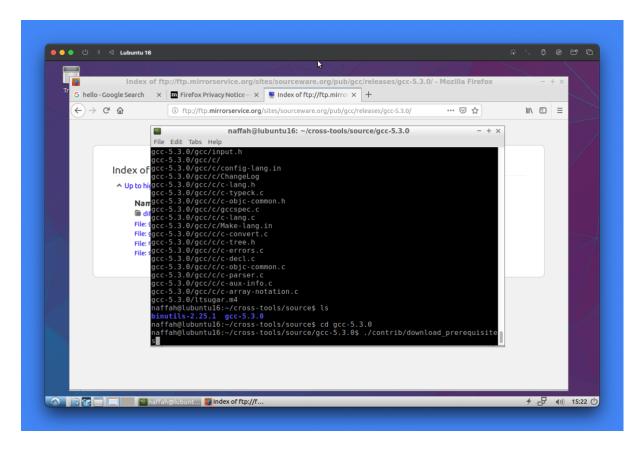




4. Run make install

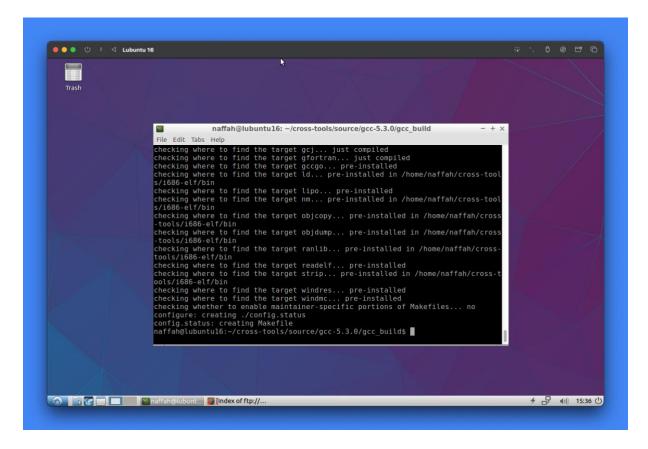


5. Download gcc source and download prerequisites



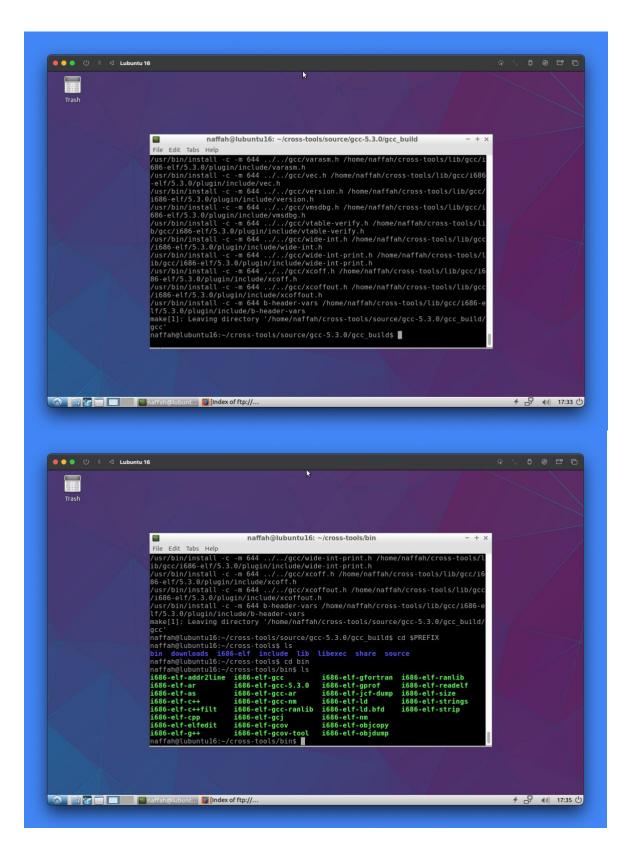
6. Configure gcc source under gcc_build folder

../configure --target=\$TARGET --prefix="\$PREFIX" --disable-nls --enable-languages=c,c++ --without-headers



7. Run make and make install for gcc source

make all-gcc
make all-target-libgcc
make install-gcc
make install-target-libgcc



8. Clone minimalOS and make the bootable image to run on QEMU

cd \$PREFIX
git clone https://gitlab.uwe.ac.uk/na3-rasheed/minimalOS/
cd minimalOS
mkdir -p isodir/boot/grub
make
qemu-system-i386 --kernel minimal.bin

