Copy this native_template folder to your Raspbian Wheezy desktop (gui). Read the disable atags doc. Launch a terminal window and navigate to the native_template folder. Enter the "make" command in the command line.

The makefile compiles, assembles, and links both C and Assembly (.s) source files present in the source directory.

After compiling and generating a new kernel.img in the native_template directory, simply overwrite the new old kernel.img with the new kernel.img in the target SD Card, then power up the RPI to test your work.

You can complete your Berry OS in the source folder, look for main.c, boot.s, etc… Reference the BCM2835 and ARM pdfs. Reference helpful links doc and any other helpful online resources you locate such as…

http://gnutoolchains.com/raspberry/

or

https://launchpad.net/gcc-arm-embedded

The bcm2835-1.25 directory contains a ready-made RPI library, which can be installed on a PC but we are not doing that here. Instead, you may reference the library's source code for insight to possible solutions for Berry code. Example code is also in this directory.