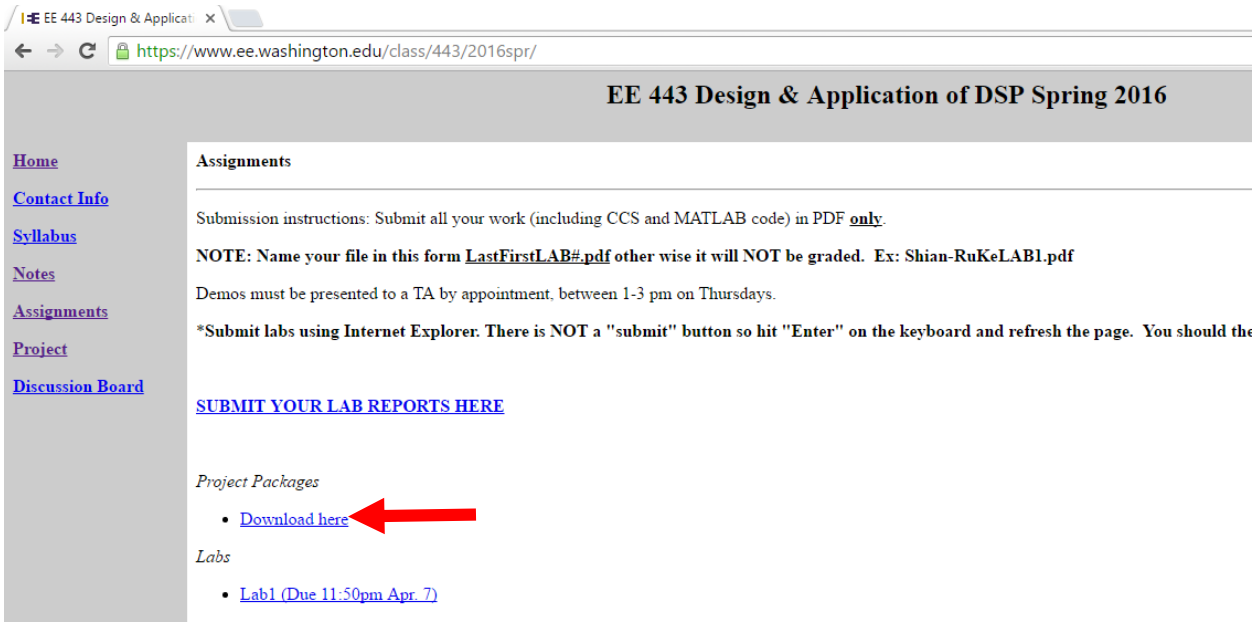
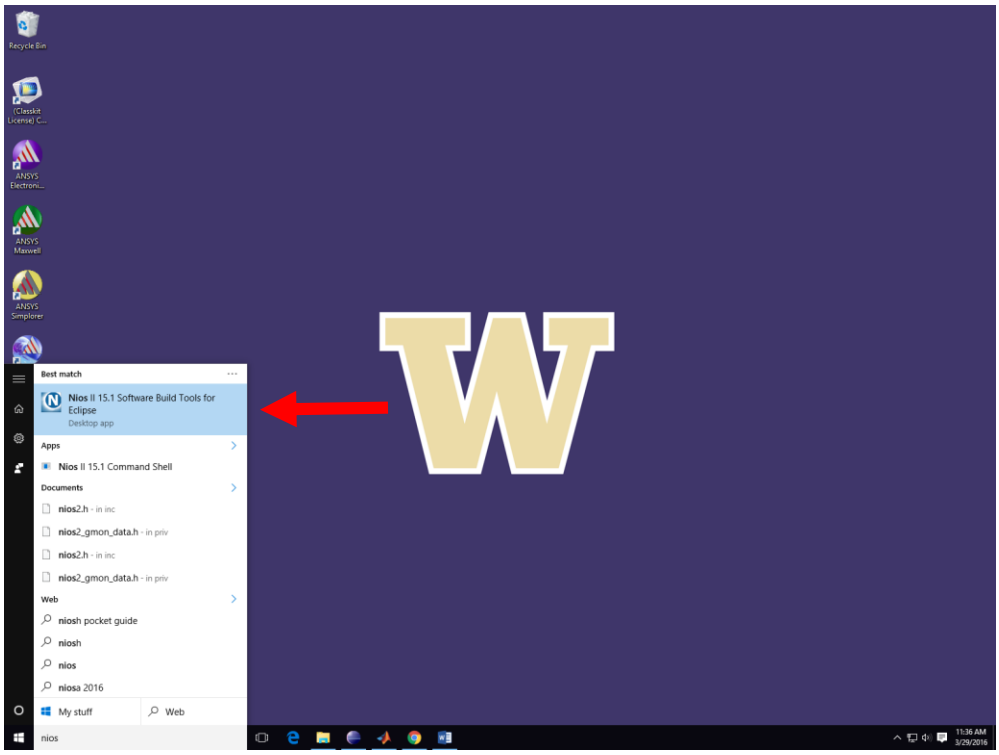
Technical Package Starting Guide

1. Download the technical package (EE443.zip) from the class website.

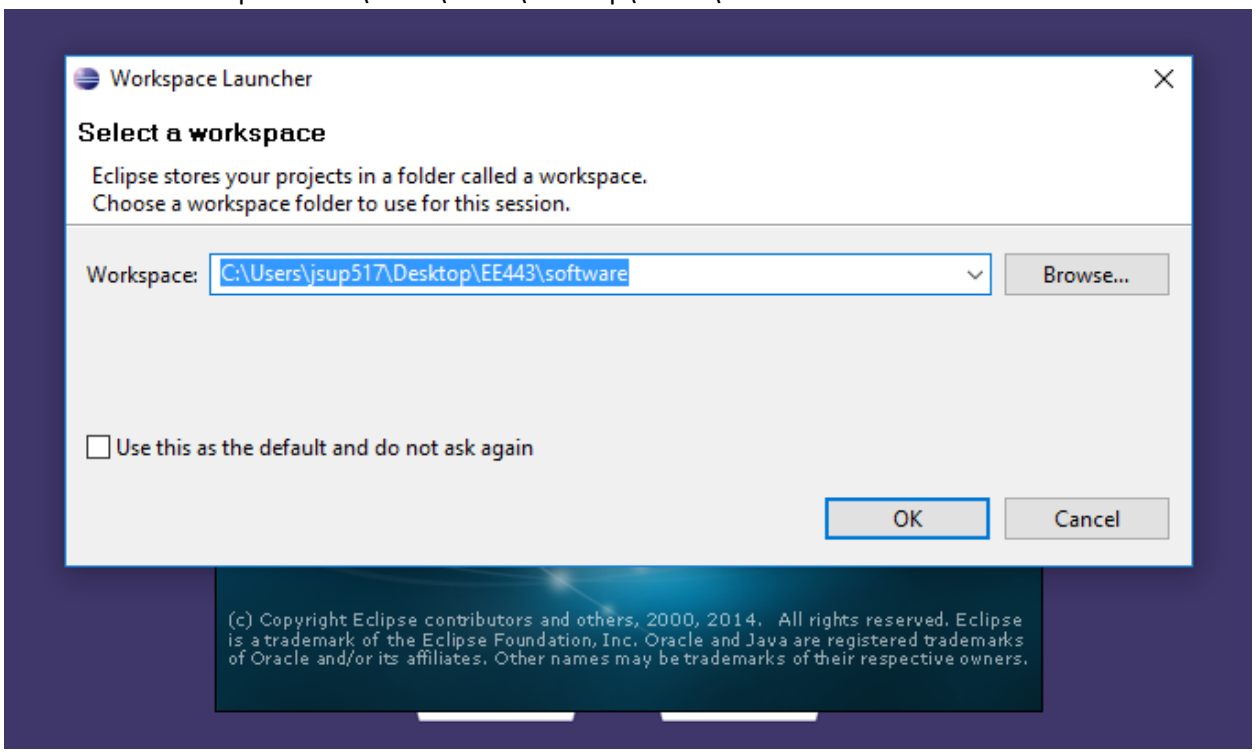


2. Extract the EE443.zip file on the Desktop folder.

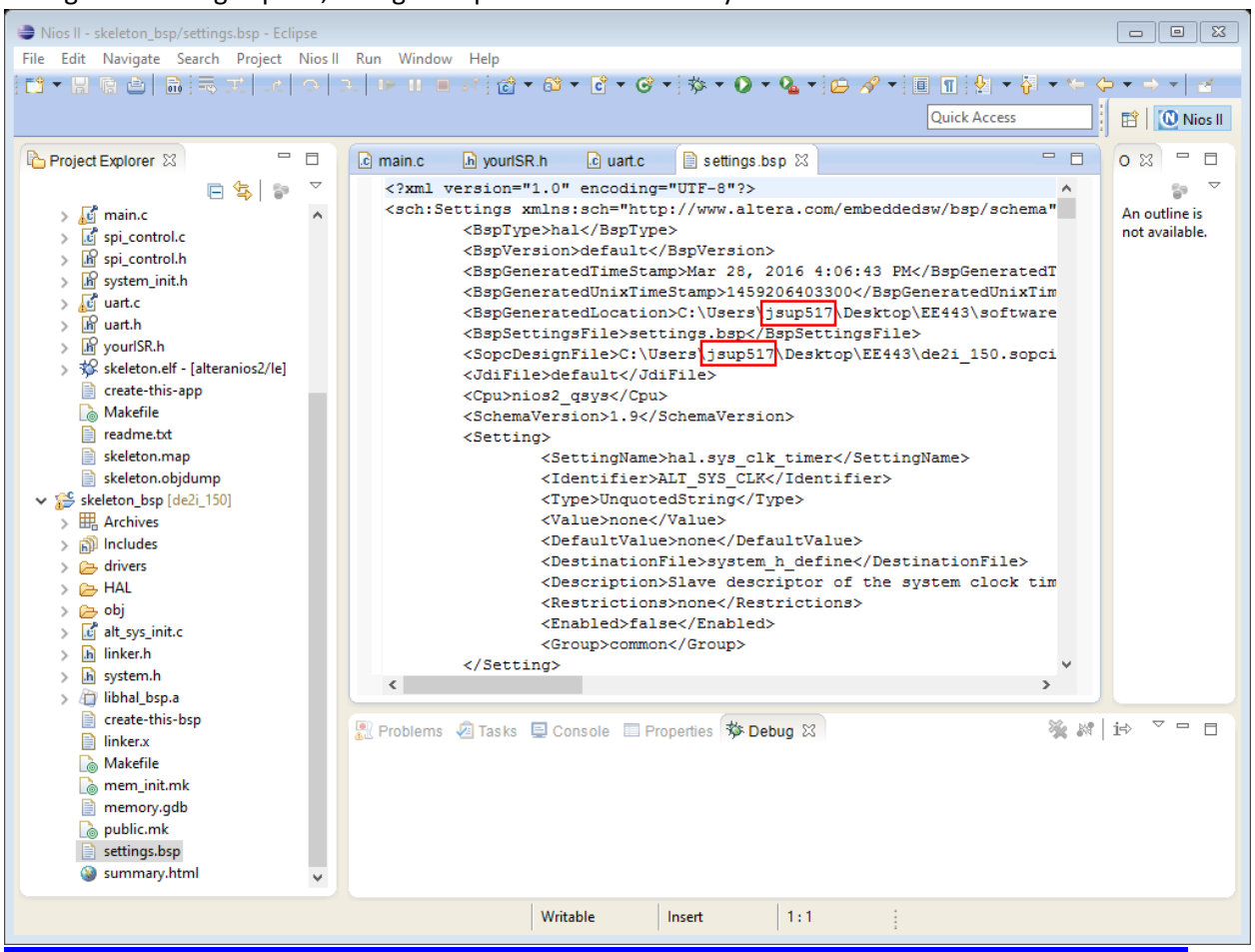
3. Start the NIOS II 15.1 Software build tool.



4. Selection the workspace as C:\Users\NetID\Desktop\EE443\software



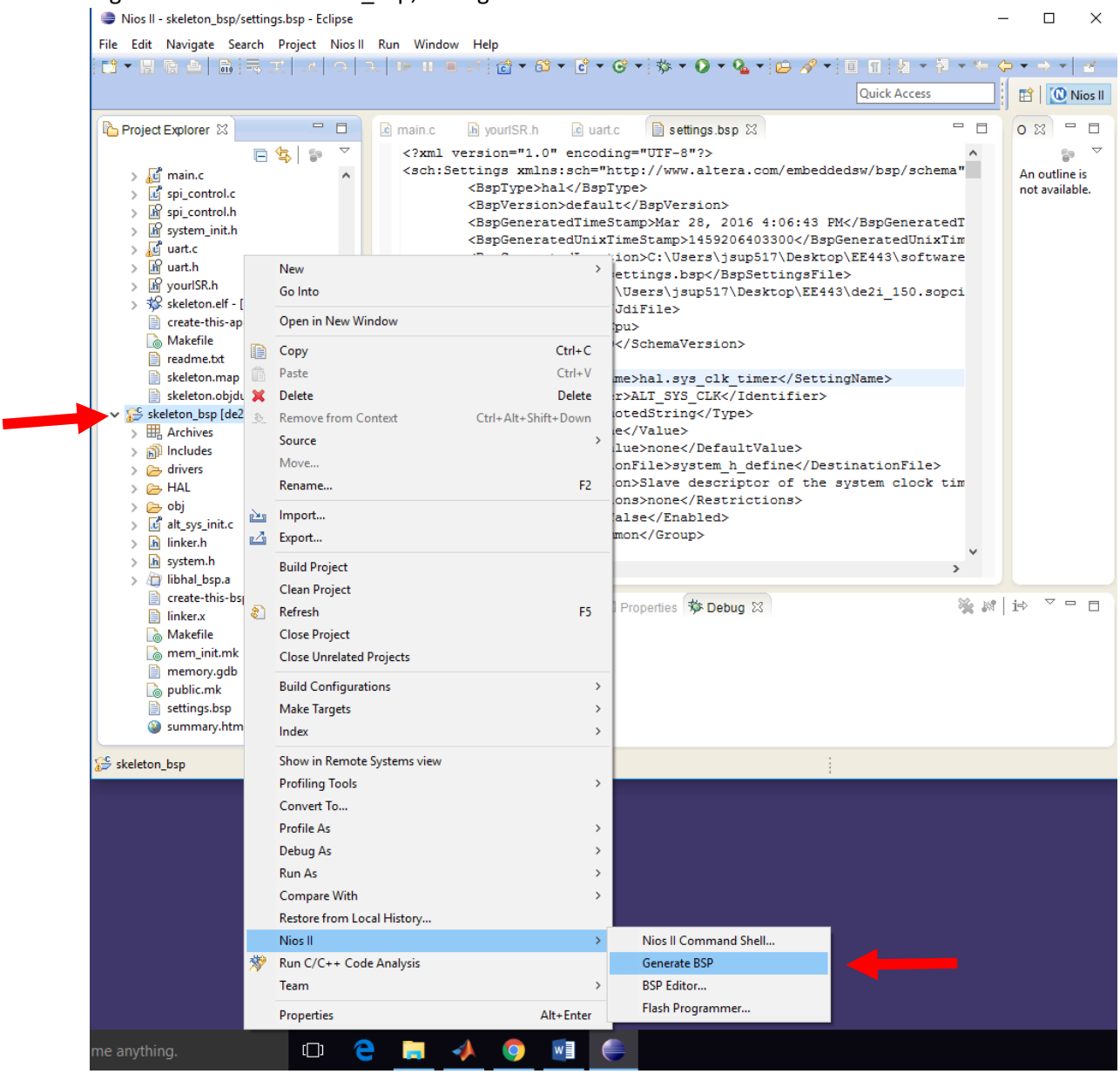
5. Change the setting.bsp file, change the path of the files. Put your NetID.



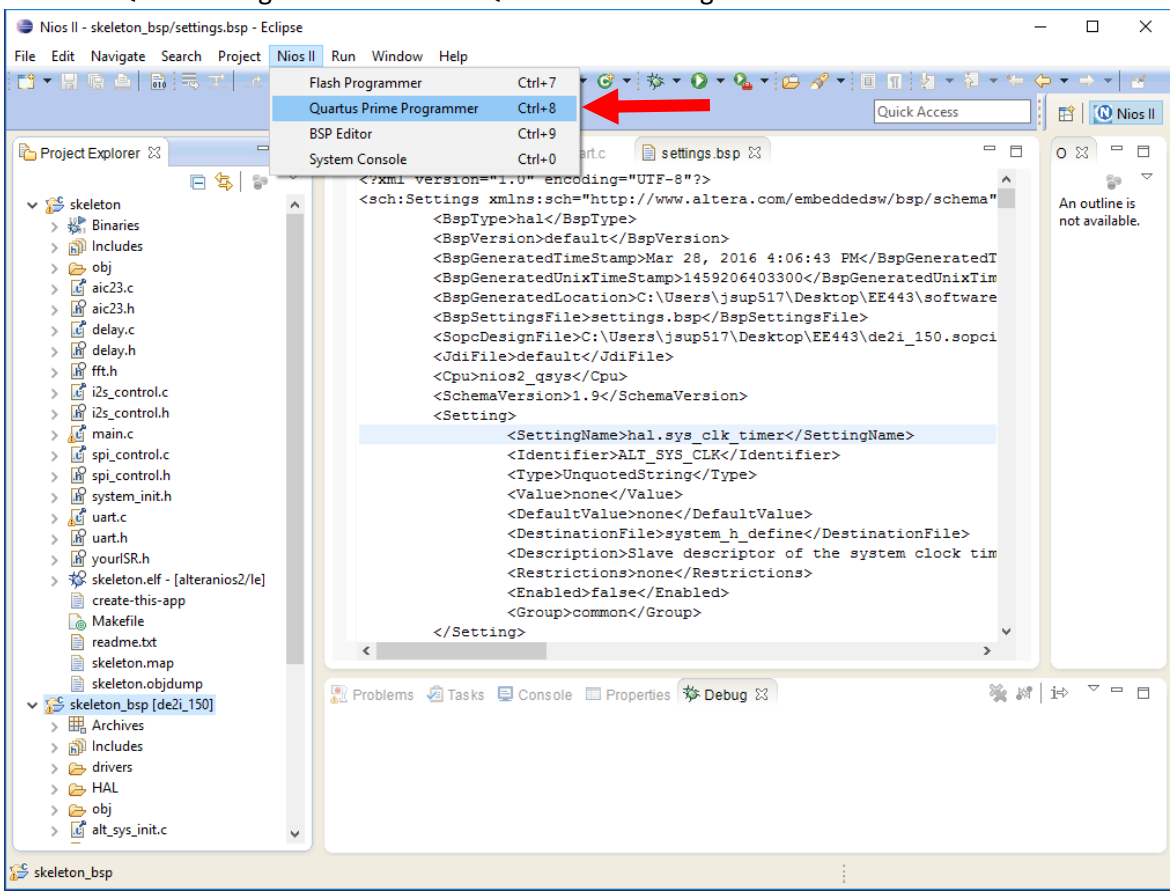

```
<BspGeneratedLocation>C:\Users\NetID\Desktop\EE443\software\skeleton_bsp</
BspGeneratedLocation>
<SopcDesignFile>C:\Users\NetID\Desktop\EE443\de2i_150.sopcinfo</SopcDesign
File>
```

6. Save all files.

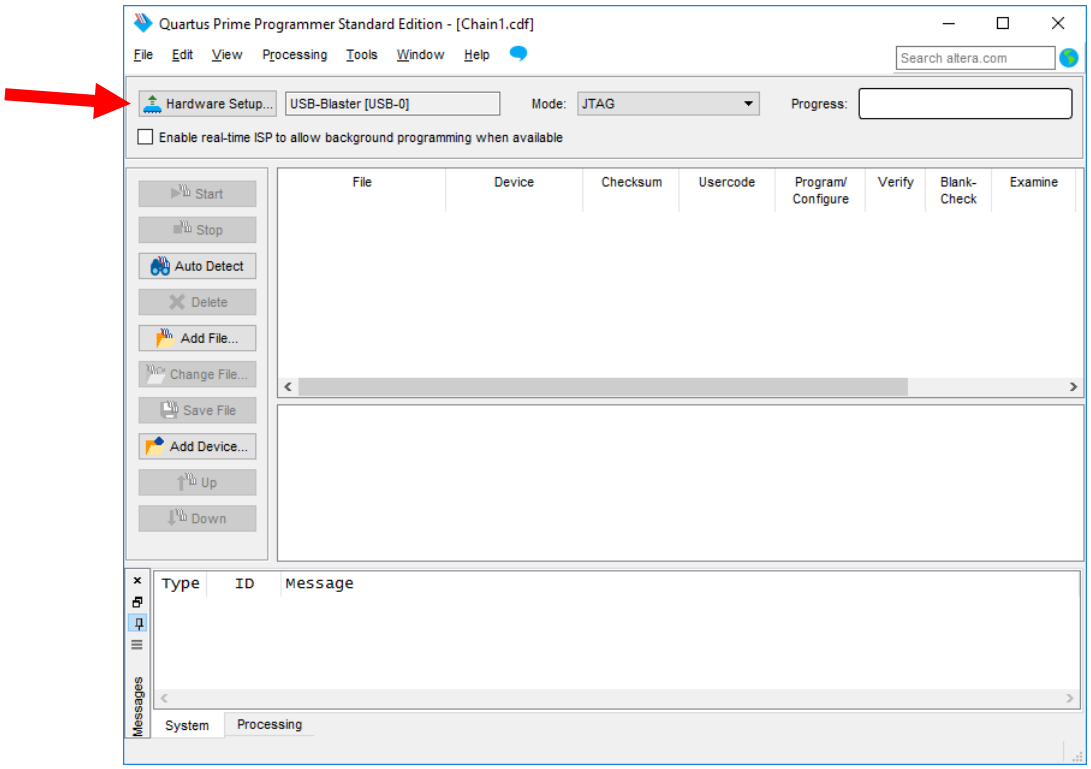
7. Right click on the skeleton_bsp, then go to Nios II -> Generate BSP



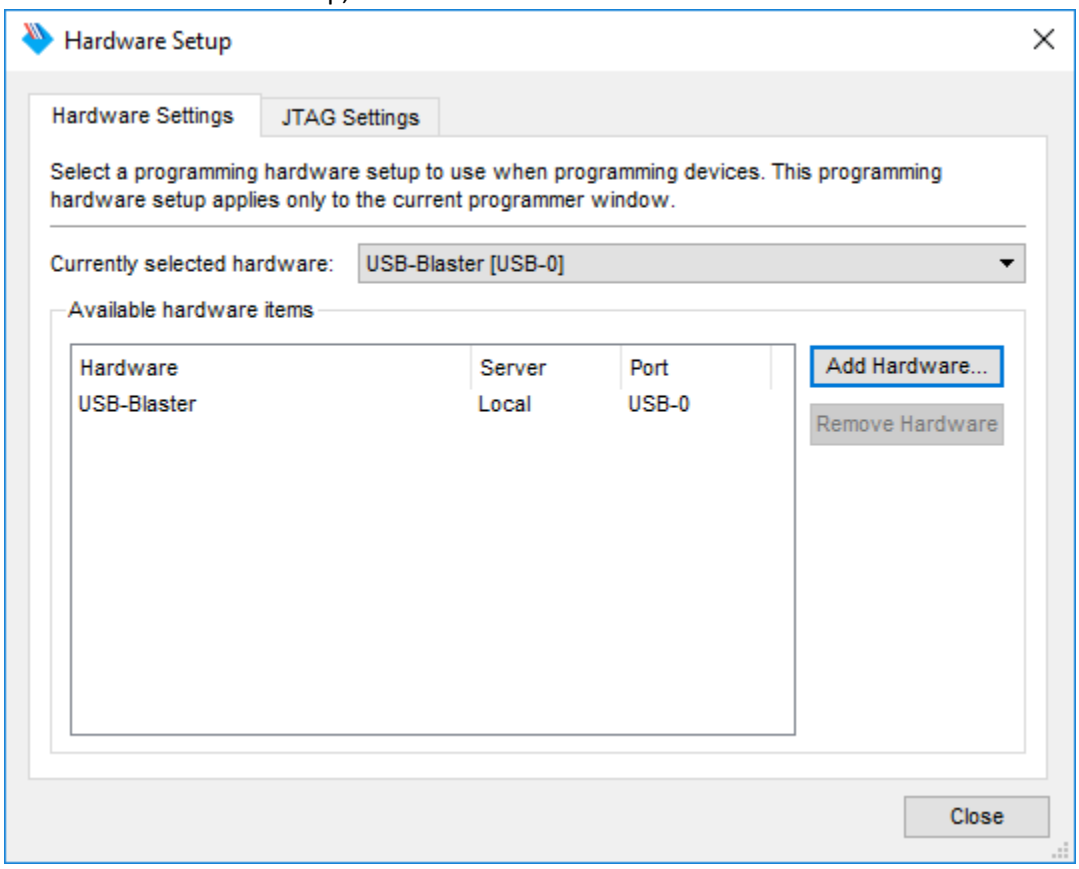
8. Start the Quartus Programmer. Nios II->Quartus Prime Programmer



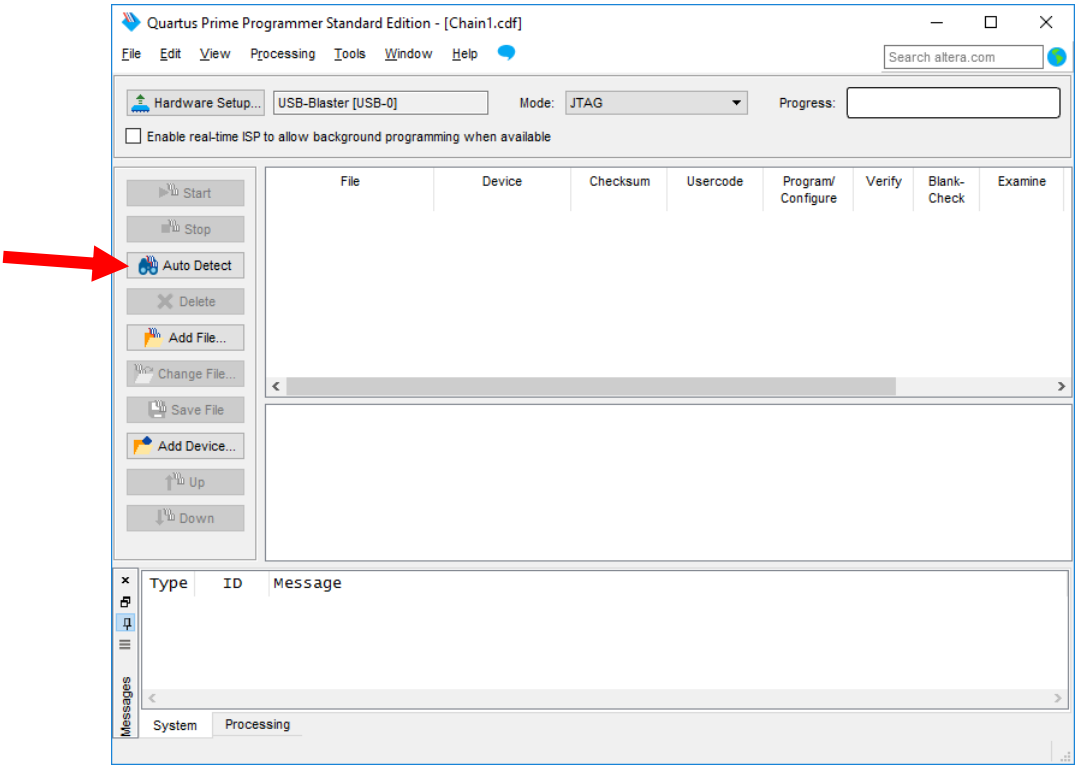
9. Quartus Prime Programmer



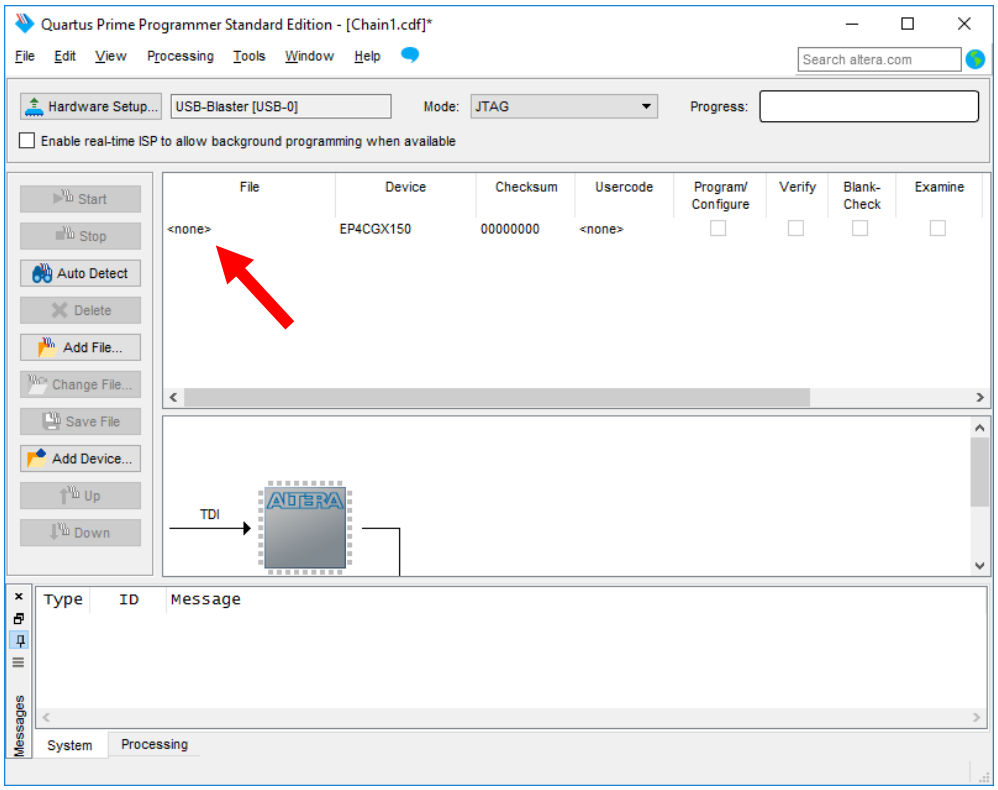
10. Click on the Hardware Setup, and select the USB-Blaster



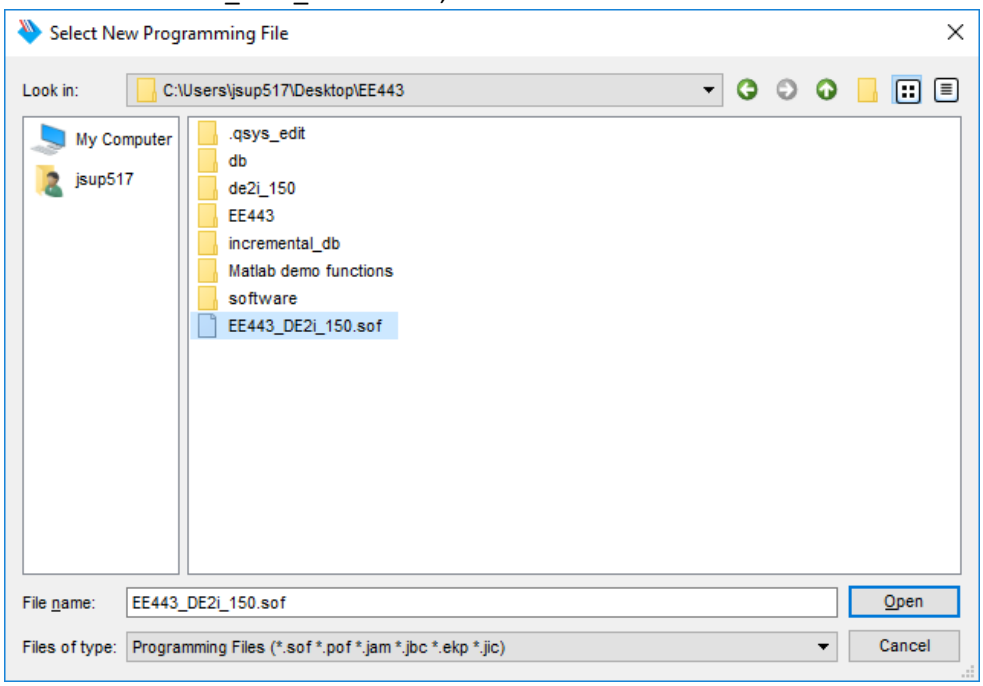
11. Click on the Auto Detect



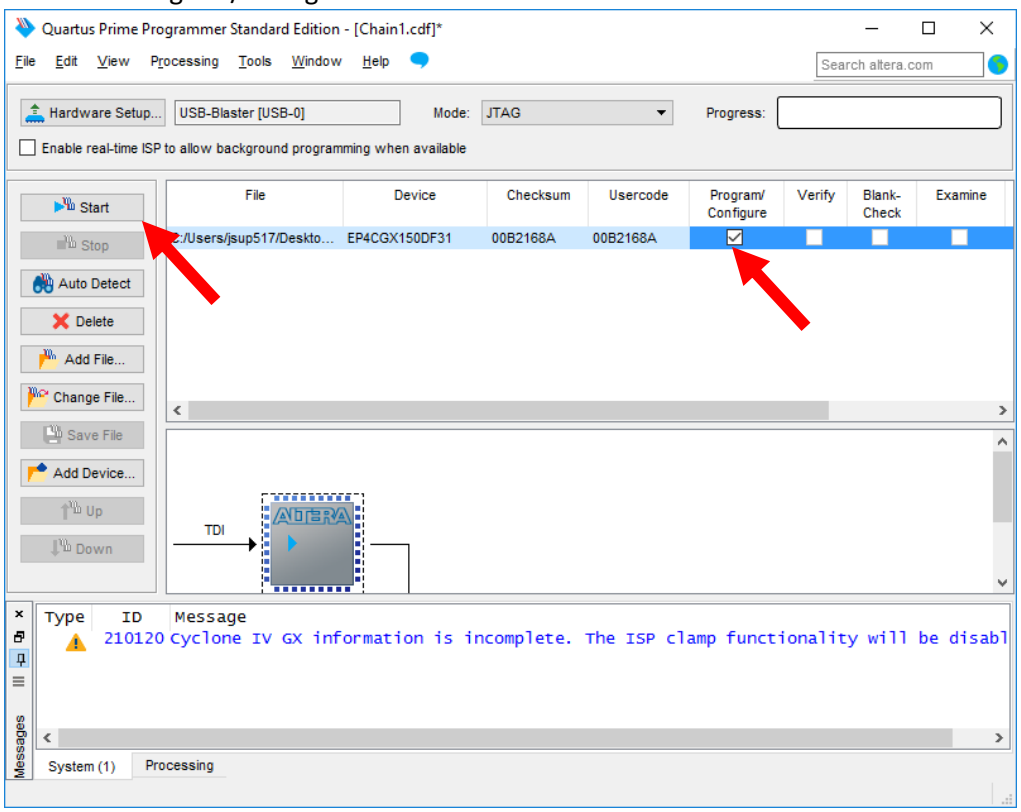
12. Double click the file



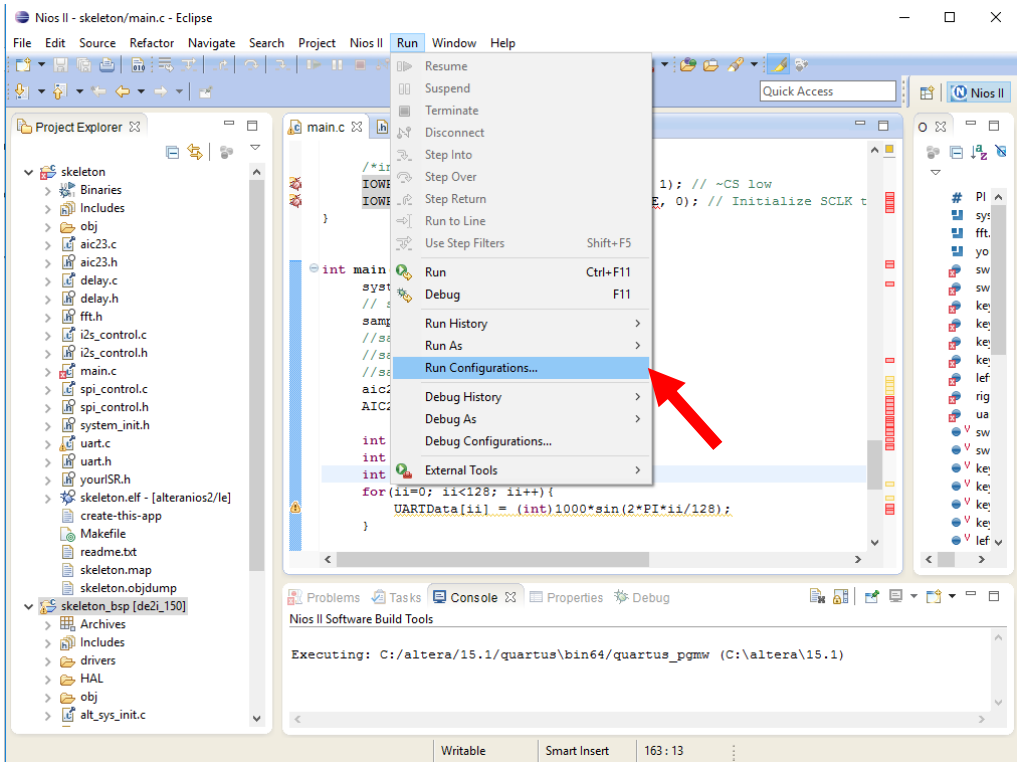
13. Choose the EE443_DE2i_150.sof file, which is on the EE443 folder



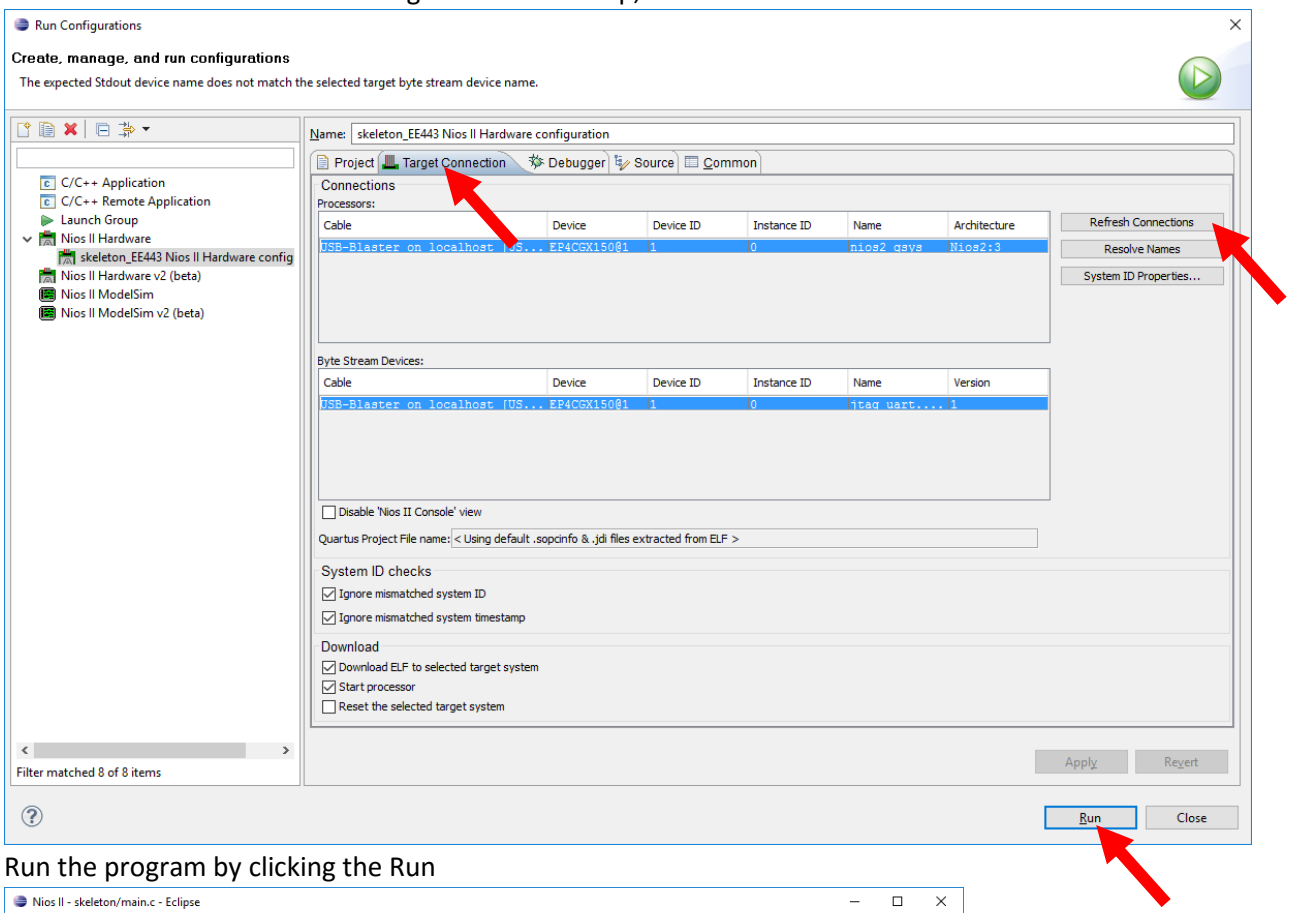
14. Check the Program/Configure box and click on the Start button



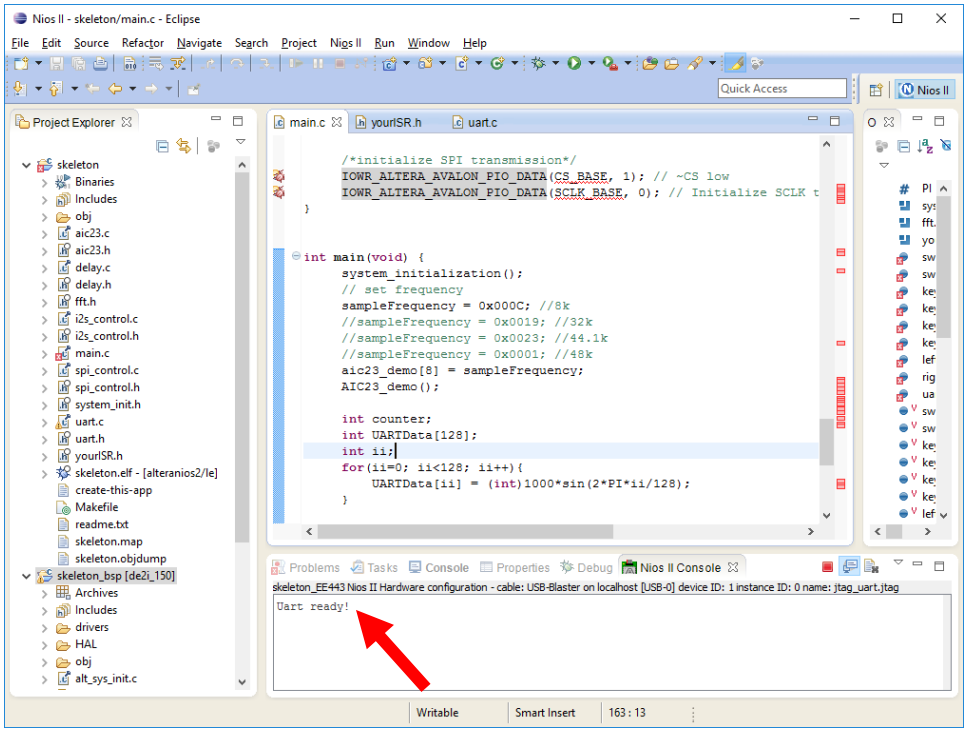
15. Go to Run configuration



16. Refresh the connection. Go to Target Connection tap, and click on the Refresh Connections



17. Run the program by clicking the Run



18. If you can find the “Uart ready!” message on the console, then we are Ready!!