* Steps to create a new LABstarter project in Code Composer

Start **Code Composer**,

Select the workspace,

Select **Project**->**Import CCS Projects**,

Click **Browse**,

Go through examples and select LABstarter folder,

Click **Finish**,

Rename the project and the main.c,

Right click on project name->select **properties**,

Select **General**->**Connection**->“**Texas Instruments XDS100v2 USB Debug Probe**” , apply.

* Steps to pull up Tera Term and connect to the LaunchPads serial port.

Open **Tera Term**

Select **Serial** and the **COM port** with XDS100,

Select **Setup**->**Serial port**, set **Speed** to 115200

* Steps to check out your repository from github.com

Download the repository to local computer

git clone <https://github.com/FredWang1999/ME461_repo.git>

git remote add coursecode <https://github.com/COECSL/ME461Fall22.git>

git pull

//the repository folder is created and coursecode is added, and the content is downloaded to the folder

Back up local repository to GitHub

git commit -a -m "put commit message"

git push

// the changes are committed and uploaded to the github. Put -a in commit if there’s new folders and/or files created.

Update the coursecode

git fetch coursecode

git merge coursecode/main -m "comment "

//get the latest coursecode and merge with my repo.

* Explain what \_\_interrupt void RXAINT\_recv\_ready(void) is doing for us in the default project.

This function will be called when any data is sent via serial port. In the default project, once there’s data sent through serial port, the function saves the received data (which is stored in SciaRegs.SCIRXBUF.all) to RXAdata. Then, if the data is 0xC000, some error may have occurred, and the serial port is restarted. Otherwise, the last 8 bits of RXAdata is preserved and numRXA, which indicates the total number of characters received, is increased by 1. Lastly the interrupt was acknowledged(?)