Docker Setup (*by Ben Richards)

#In order to create a container you need the image first.
#you can get this by doing the command

```
docker pull anniesoft/toolanalysis:latest
```

or

```
docker pull anniesoft/toolanalysis:latest-light
```

if you want the smaller version that takes up less space
#Then you need to create a container using

```
docker run --name=ToolAnalysis -v local_folder:/name_in_contianer -it
anniesoft/toolanalysis:latest-light
```

#here i used `--name` to call my container ToolAnalysis

#the `-v` means you can mount a folder inside the container for transfering files in and out of it so just set the local folder you want to put inside and the name you want it to have in the container. the `-i` flag means start it up interactivly and the `-t` allows you to say which image the container is created from

#anyway the run command will then start you a shell which will be running centos 7 with all the prerequisits installed as well as the software already compiled

#so you can run the software by doing

```
cd ToolAnalysis
source Setup.sh
./Analyse
```

#to close the container just do

```
exit
```

#like normal in linux
#Now the container is created you dont need to do run any more
#To start it at any time just open a terminal and type

```
docker start ToolAnalysis -i
```

#To see your containers:

```
docker container ls -all
```

Specific instructions by Matt Wetstein
(@howToSetItUp with a folder visible in your normal file directories)

first, copy the code from the git repository to the directory on the computer:

```
git clone https://github.com/ANNIEsoft/ToolAnalysis.git
```

```
~/Desktop/ToolAnalysisLink
```

then, create the docker image and mount it to the created directory ToolAnalysisLink:

```
docker run -v ~/Desktop/ToolAnalysisLink/:/ToolAnalysisLink --
name=ToolAnalysis -it anniesoft/toolanalysis:latest
```

create a symbolic link to ToolDAQ, source Setup, make. All done! :)

```
cd /ToolAnalysisLink
ln -s /ToolAnalysis/ToolDAQ .
source Setup.sh
make
```