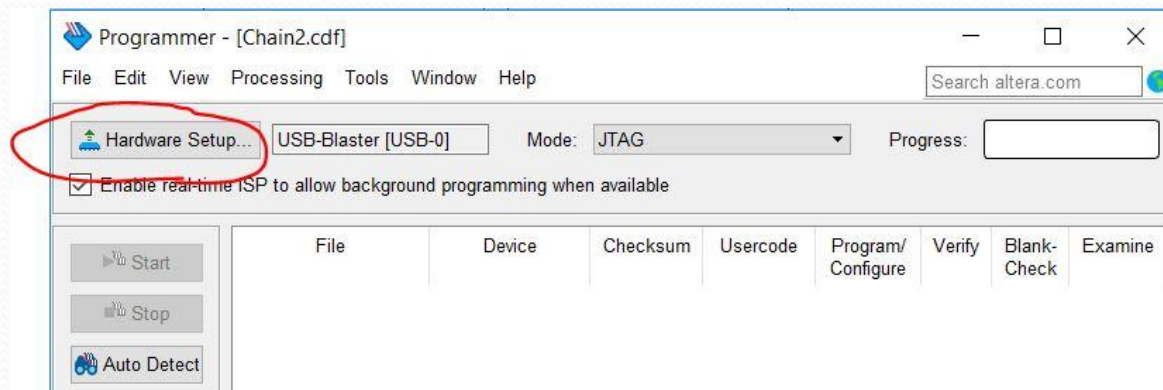


# Exercise 10 (Mapping PWM11\_test to DE0-Nano)

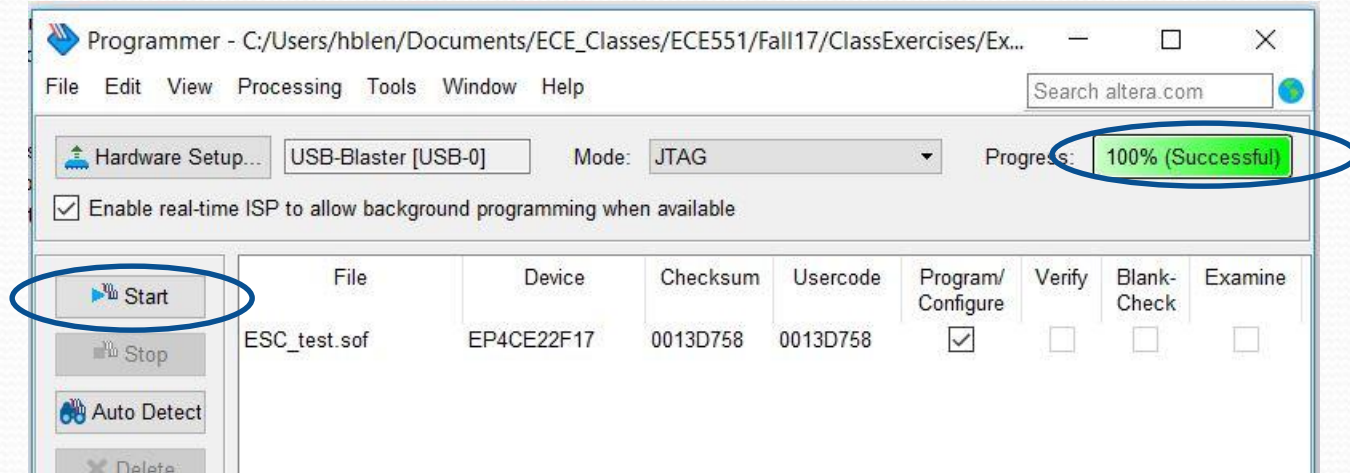
- Create an Exercise10 directory under your ECE551 area of your I: drive
- Copy Verilog content from your Exercise09 (**rst\_synch.sv**, **PB\_release.sv**, **up\_dwn\_cnt4.sv**, **PWM11\_test.sv**, and **PWM11.sv**) to your Exercise10 directory
- Download **PWM11\_test.qpf** (Quartus Project File) and **PWM11\_test.qsf** (Quartus Settings File) from the website and store in your Exercise10 directory
- Open up Quartus
  - Do a: **File** → **Open Project** and open up the **PWM11\_test.qpf**
  - Compile the design and fix any errors
  - Plug in your DE0-Nano Board.
  - Do a: **Tools** → **Programmer** and check that the USB Blaster shows up (see below) (you may have to wait a while on these CAE machines for it to enumerate)



Might have to go under  
“Hardware Setup” to get  
it to choose USB-Blaster

# Exercise 10 (Mapping PWM11\_Test to DE0-Nano)

- Program the DE0-Nano



- Hit “Start” and look for 100% Success
- See next page for mapping of functions to DE0-Nano



# Exercise 10 (Mapping PWM11\_Test to DE0-Nano)

