To get ready for my final project I have created a plan for the project and done smaller projects to get me ready for the final project.

The plan for my project:
I plan to make a program to analyze companies and their stocks to tell me if they are good investments or not, and detect patterns in the stocks. Then I would like to model and 3d print a housing for a computer and screen that would run my code and display information the code returns.

Practice Projects:
- Python:
  - Alarm Clock (with sound)
  - Stock picker (with visualization)
  - The code randomly determines the growth or decrease in a fictitious company's stock that you name and give an initial value to for an amount of days you pick
  - The code then visualizes the changes in the stock.
- 3D Printing:
  - Tennis string holder
  - Toy catamaran
  - Pen refill size converter
  - Model Toolbox

Prototyping: Materials, Tools and Process
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Learning Process: Materials, Subject Matter, Course Content
My journey to achieve my goals includes learning:
- Python through Microsoft and Codecademy
- Java in CSA at Kent
- Fusion 360 with Mr. Smith in the impact studio
- Investing through an online course
- How to invest through years of experience using my personal portfolio
- Building an investment thesis independent study
- Introduction to capital markets independent study

Results/Next Steps
I plan to continue advancing my learning in java next year through the class advanced topic in computer science. We will be learning how to learn on our own in the world of coding. With more knowledge of java and more practice with investing I will be able to start my project soon.