1. Push vs. pull model of education
   1. Sage on the stage or guide on the side
      1. I will enrich the seminar in response to your needs. For example, quizzes are not yet available. But if you wish to assess your knowledge this way, note it in your custom learning plan and I will take it from there.
   2. You are in control of your learning
      1. This starts with the creation of a custom learning plan. You decide how quickly you move through the material and how you will assess your learning.
      2. Learning happens when it comes from within. The commitments you make in this seminar sequence is to yourself.
2. The importance of Play
   1. Become a tinkerer – try different things and do not become discouraged with the error messages
      1. My first Pascal program (1987) – DEC Vax computer
3. Review material in the Welcome Module
   1. The Seminar Start Sequence
      1. Review the Learning Plan
      2. Importance of posting in the Discussion forum to keep yourself motivated
   2. Textbook – *Python without Fear* (Advanced)
4. Review Assessment Options in the Jupyter Notebooks Module.
   1. The assessment types
5. Review the Supplemental Content section