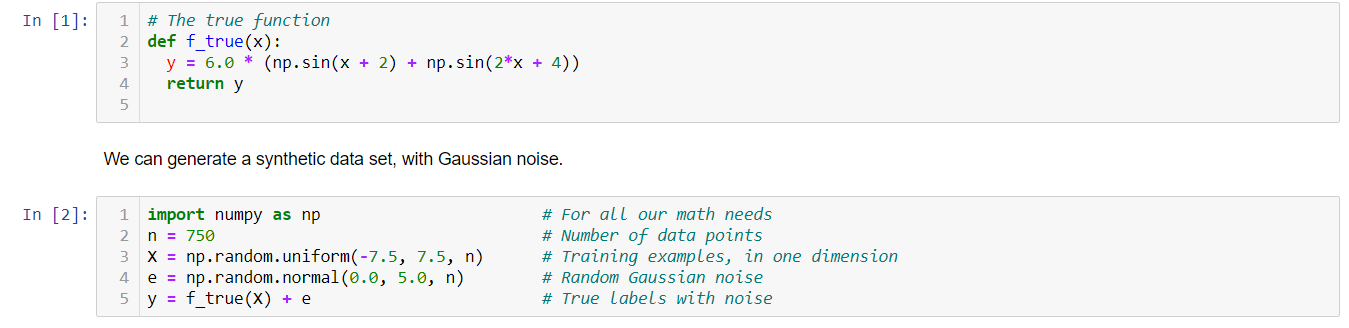
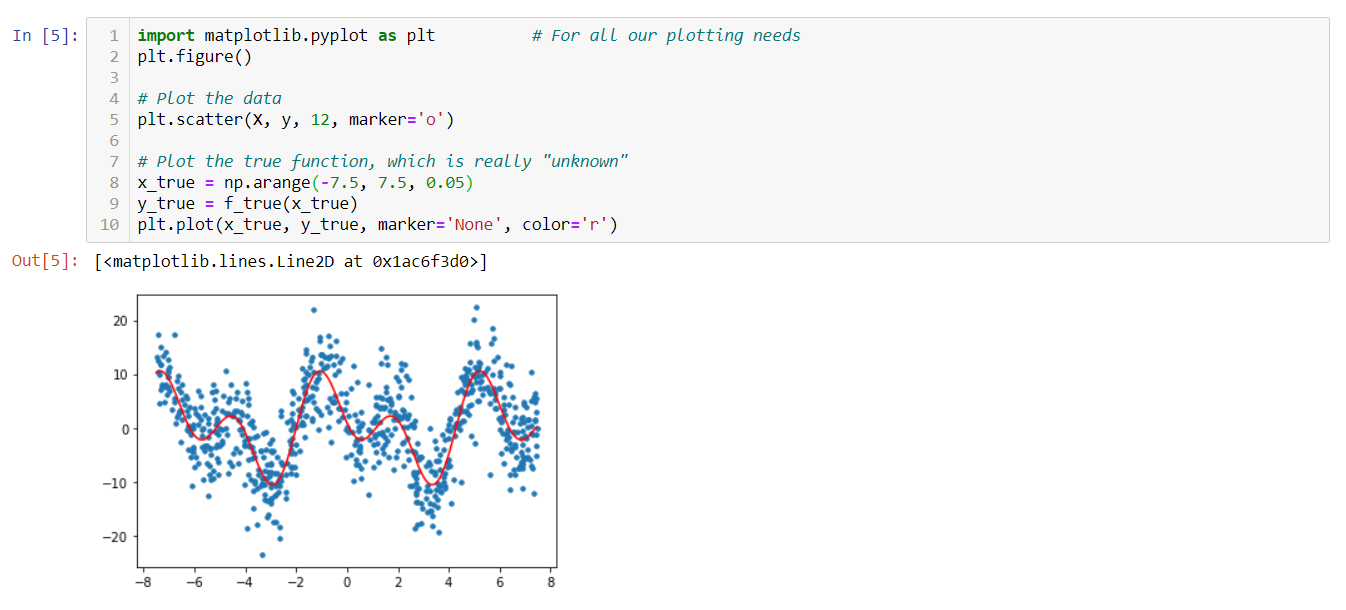
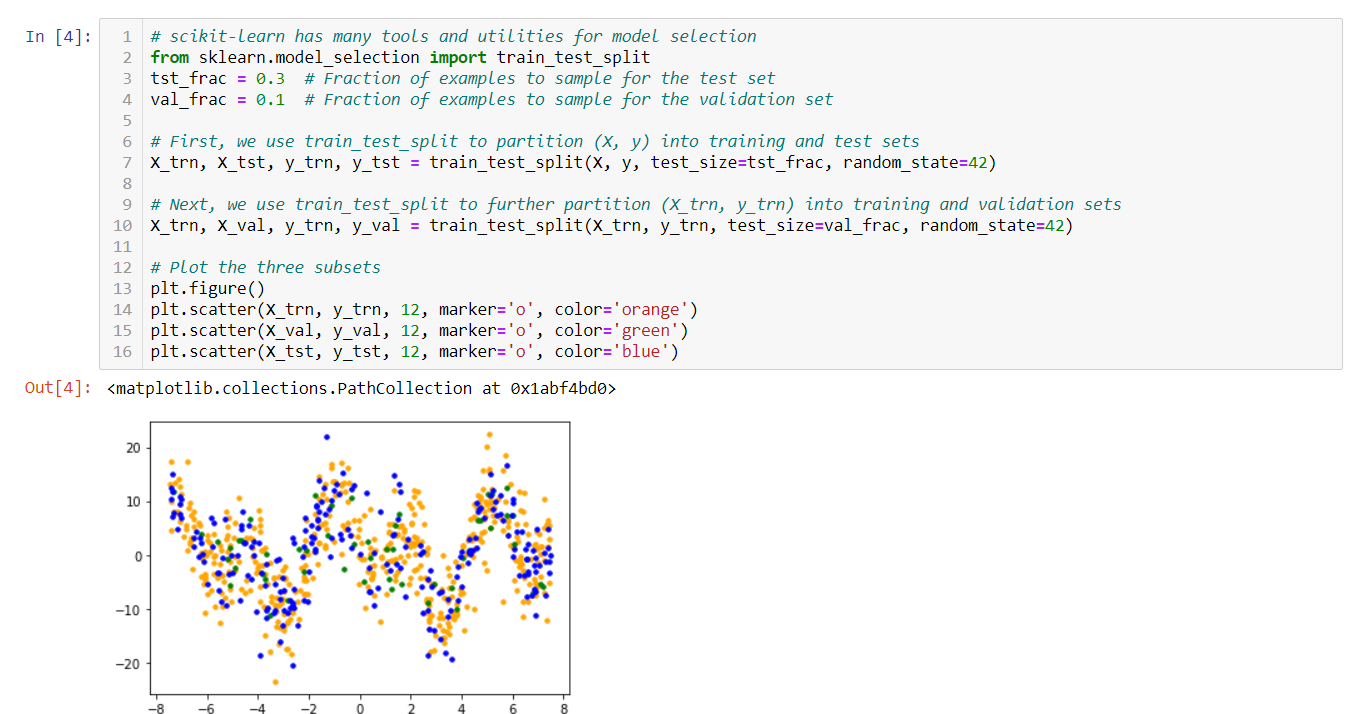
**Assignment I**

**Linear Regression**

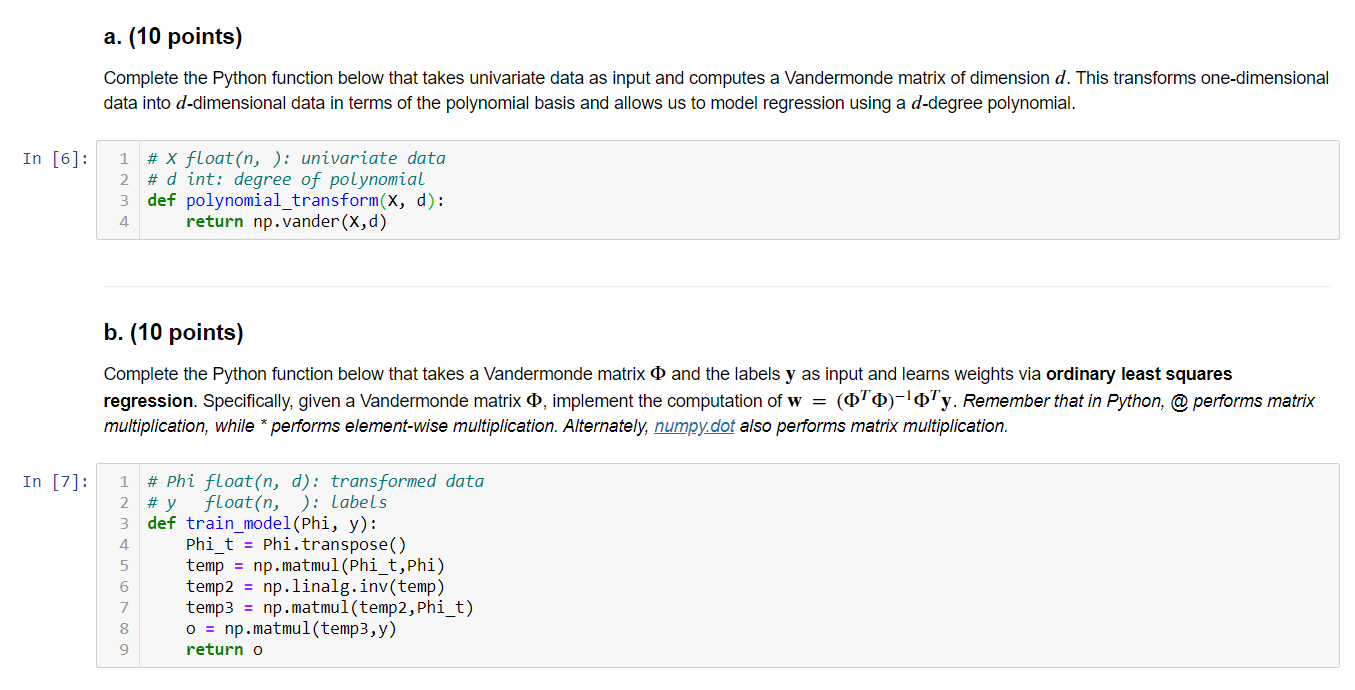
**Generating Synthetic Data**

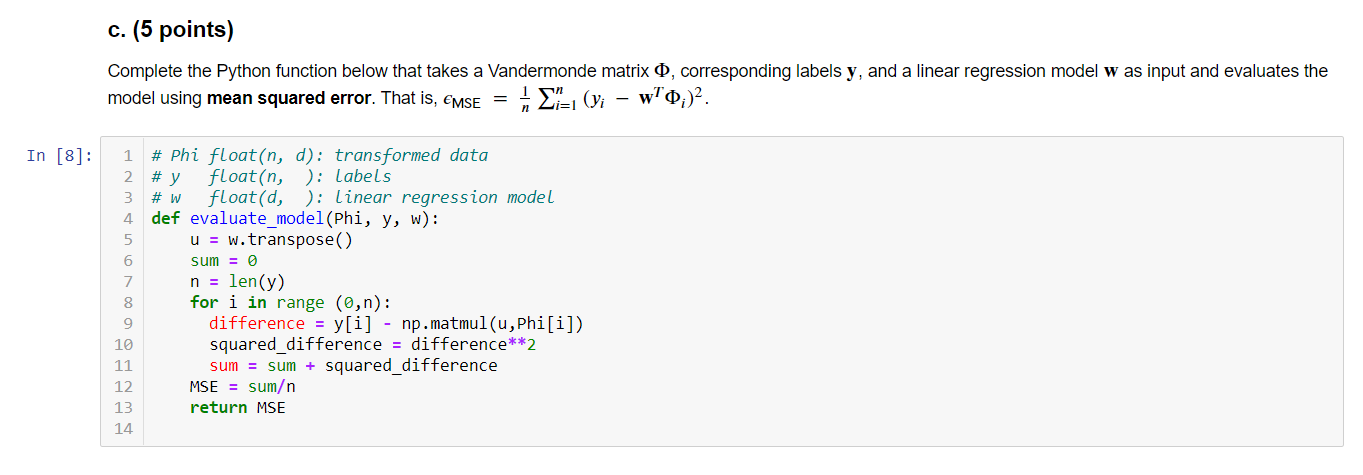


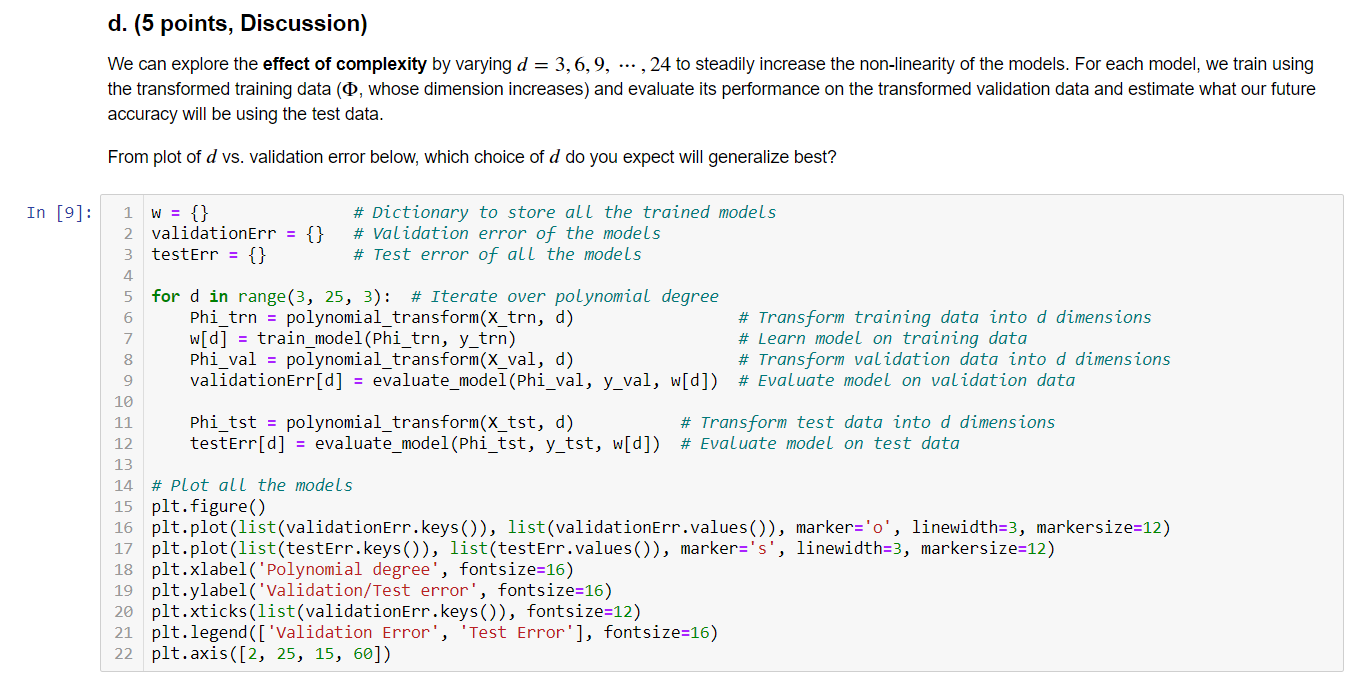


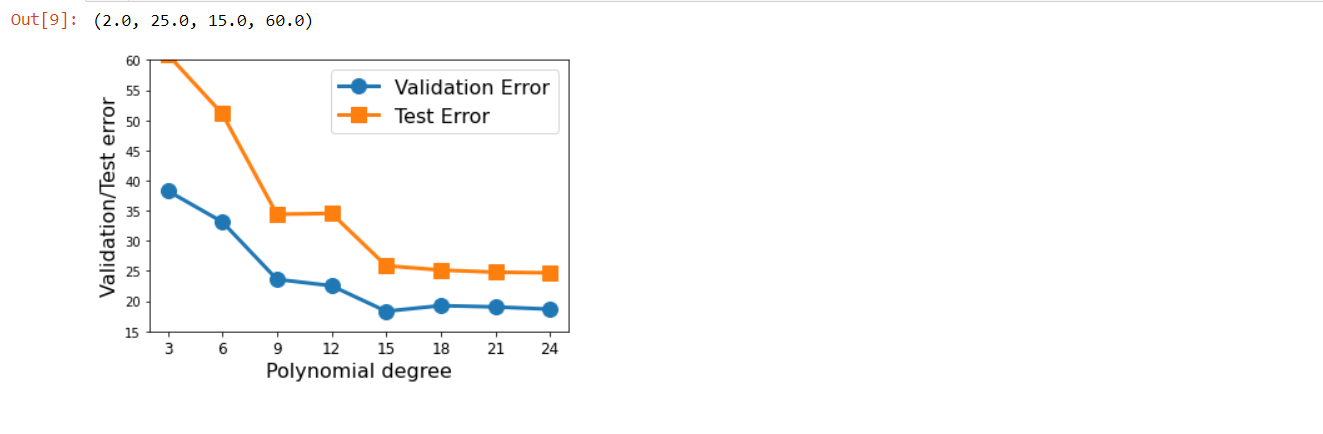


# 1. ****Regression with Polynomial Basis Functions****, 30 points.











# 2. ****Regression with Radial Basis Functions****, 70 points

