**Discussion 1**

What is Abstraction? Why do we need it? What are the two aspects of Abstraction?

**Discussion 2**

When choosing a password for online accounts, there are typically certain requirements for the strength of the password. Develop a Python program for testing if a string satisfies some appropriate criteria for a strong password. It’s up to you to define the requirements.

**Discussion 3**

Consider a system for storing anonymous grades of each lab class. Define a data structure, which can identify individuals in each lab group by an ID number 1-40 (inclusive). To identify the person in the entire class you would also need the group name, e,g., ‘FE2’. Each corresponding person should have a number between 1-100 (inclusive) to define grade.

**Discussion 4**

Given two lists of grades (list of integers) from two classes, write a Python program that will check which class has the highest average score and the highest maximum score.

**Discussion 5**

Write a Python program, in the fewest number of lines possible, which creates a list of all the square numbers: x2 (where 1<=x<=100) that are divisible by 3.