1. What is the difference between a class and an object?
    - The class is the blueprint in which the object is made from, the class gives the object all its attributes and abilities. The object is then a result of the class.
2. What is inheritance? What is the Phyton syntax for inheritance?
    - Inheritance is when a class inherits attributes an abilities from another class. Its like a child that in-which have inherited attributes from its parent.
      Syntax:
    - Class ParentClass:
          Body of parent class
    - Class ChildClass(ParentClass):

          Body of child class

3. What is the difference between a has-a and an is-a relationship?
    - Is-a relationship is the same as inheritance. The child "is-a" version of the parent.
    - Has-a is when a class contains objects of other classes. Example: class car and class motor, the car class uses the motor as an object in the car class.
4. What is encapsulation? How is encapsulation handled in Python?
    - Its wraping data and methods that work on data in one unit. Making restrictions on accessibility to the variables and methods directly. This prevents unwanted changes, and object's variables can only be changed by an object's method. This is handled in python by creating classes that keep all the data and methods stored.
5. What is polymorphism?
    - It is a function that has the same signature but depending on the circumstances it behaves in different ways. An Example from my code could be the bullets, when they are triggered depending on what circumstances the bullet changes its initial direction and position.