

Assignment - 3

1A. By default, Python does not provide abstract classes. Python comes with a module that provides the base for defining Abstract Base classes(ABC) and that module name is ABC. ABC works by decorating methods of the base class as abstract and then registering concrete classes as implementations of the abstract base. A method becomes abstract when decorated with the keyword @abstractmethod. Example:

```
from abc import ABC, abstractmethod
```

2A. Basic assignment statement values are reused in the following classes.

3A. Init method always initializes the variables of the class. If super class variables need to be used, init method of superclass has to be invoked.

4A. Using super() keyword

5A. Class variable can be access directly by the class name. But to access variable of the method of the class and object has to be instantiated.