Practical's List:

1. Code a calculator using dunder methods in following ways:
   a) Use dunder methods (__add__, __sub__, __mul__, __truediv__) in one class.
   b) Use dunder methods for elementary operations in different classes (C1, C2, C3 and C4) and inherit in final class (C5).
   c) Inherit directly the data type (*int, float etc.*) you want to use in your class and perform the elementary operations.
2. Implement following using using classes in Python
   a) Complex numbers.
   b) Cartesian System.
3. You have the database file *tracks*, perform sql queries (create, select, update, delete) on this file.
4. Write an application using PyQt5 which performs live data visualisation of some random numbers.
5. Solve following using perceptron learning algorithm.
   a) AND Gate
   b) OR Gate
   c) XOR Gate
6. Solve above problems using tensorflow and keras.
7. Code a binary classifier for following figure also draw the neural network.