**Readme-**

This project consists of four files: 'py\_cord.py', which acts as the coordinator and contains all the simulation logic, and three participant files named 'py\_part1.py', ' py\_part1.py ', and ' py\_part1.py '.

Although the number of participants can be given as a dynamic value, for the purpose of clear simulation of the 2PC, we have written three participant processes in separate files to ensure clear logs and visual representation without ambiguity.

Steps to Run the Program:

1. python py\_part1.py

2. python py\_part2.py

3. python py\_part3.py

4. python py\_cord.py

Note: Starting the programs in this order will ensure that the time delays for simulating failures work properly. The entire program takes approximately 3 to 4 minutes to complete all simulations.