Team: DKS

- **DistAlgo Installation**
  Follow https://github.com/DistAlgo/distalgo/ to see the steps to install DistAlgo in the system

- **Executing generator**

  Adjust the parameters in the file config_parameter.json file. Then execute the following command on command line:
  python testcase_generator.py "*twins_config.json*"

  The test case will be written to the twins_config file. This file will be present in the same folder as testcase_generator.py

- **Executing Scenario**

  Scenario Executor reads "*twins_config.json*" file to get the scenario to be generated

  Commands to run:

  ```
  cd <path_of_project_folder>/src

  python3 -m da --message-buffer-size 65535 scenario_executor.da
  <config_id> <timeout_msg_drop_cnt>
  ```

  config_id is the id of the config file starting from 0. Used for testing multiple configs.
  timeout_msg_drop_cnt is kept as configuration parameter for Scenario Executor which can be used to specify number of timeout messages to be dropped
  Scenario Executor creates validators, twins, and network playground based on the configuration and waits for client's "Done" message. During the execution, if it receives Safety-Violation or Liveness-Violation message from the Violation Checker process, all the processes are terminated by the parent.

- **Known Issues**
  In case of Liveness failure / Safety failure, a few processes do not terminate gracefully even though the main process terminates gracefully,