Assignment 6

Srishti Shelke 111603056
Niramay Vaidya 111605075

1. A child process inherits real user id, real group id, effective user id and effective group id of the parent process, while process id and parent process id are not. Demonstrate.

The parent process executable's setguid bit was set so that it will have different rgid and egid. This will make the copy of egid of parent to egid of child more evident.
Similarly, the setuid bit was set and the owner of the file was changed such that it was different from the logged in user due to which the ruid and the euid will be different when the parent executes and copy of euid of parent to euid of child will also be more evident.

Output-

2. Verify whether it is possible for a child process to handle a file opened by its parent Immediately after the fork() call?

Output-