Experiment 9

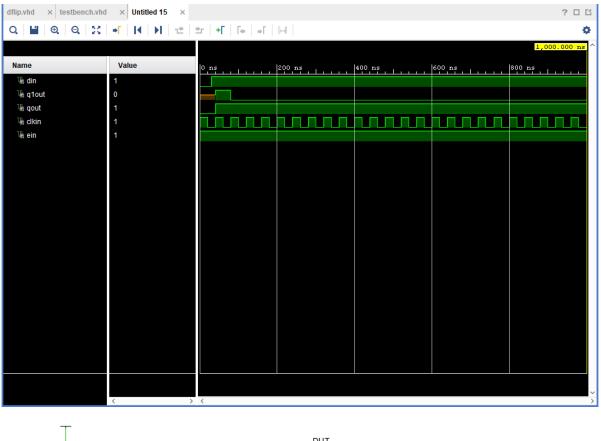
Implementing D-Flip flop

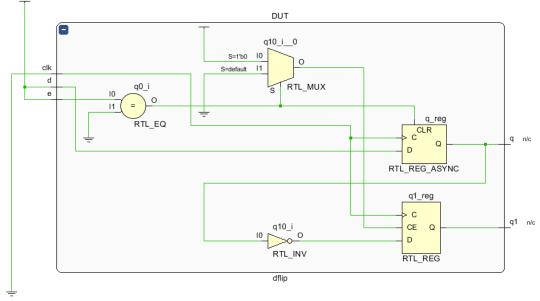
Design code:

Testbench:

```
dflipvind x testbenchvhd x Untitled 15 x C./UsersE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE22ECEU0002/DesktopE2
```

Simulation:





Result:- D-flip flop has been implemented successfully, and their test results are shown above.