Experiment 5

Implementing 4X1 Multiplexer

4x1 Multiplexer

Design code Structural:

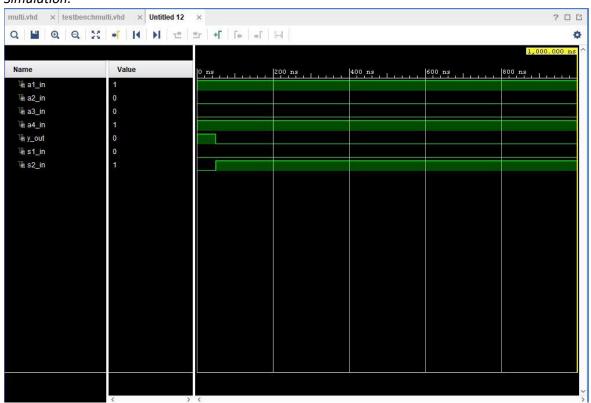
Design Code behavioural:

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Test Bench:

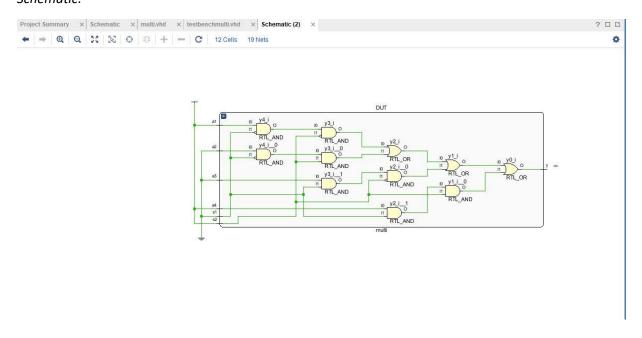
```
3
C:/Users/student/Desktop/DD/multi/multi.srcs/sources_1/new/testbenchmulti.vhd
Q 🕍 🛧 🥕 🐰 📵 🛅 // 🞟 🔉
```

Simulation:



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Schematic:



Result:- 4X1 Multiplexer has been implemented successfully and their test results are shown above.