**Digital Design and Computer Organization Lab**

**WEEK 2**

**1 Sept 2021**

|  |  |  |  |
| --- | --- | --- | --- |
| Vanshika Goel | **PES1UG20CS484** | H Section | Roll No: 40 |

**Q1)** Full Adder

b.v file:

Text

Description automatically generated

c.v file:

Text

Description automatically generated with medium confidence

c1testbench.v:

Text

Description automatically generated

Output:

Graphical user interface

Description automatically generated

Graphical user interface, text

Description automatically generated

**Q2)** Ripple Carry Adder

d1.v file:

Text

Description automatically generated

d2.v file:

Text

Description automatically generated

dtestbench.v file:

Text

Description automatically generated

Output:

Graphical user interface, text

Description automatically generated

Graphical user interface, text

Description automatically generated

**Q3)** 2 to 1 MUX

MUX2to1.v file:

Text

Description automatically generated

testBench2to1.v file:

A picture containing text

Description automatically generated

Output:

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated

**Q3)** 4 to 1 MUX

MUX2to1.v

Text

Description automatically generated

MUX4to1.v

Text

Description automatically generated

testBench4to1.v

Text

Description automatically generated

Output:

Graphical user interface

Description automatically generated

Graphical user interface

Description automatically generated