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| **Expt. No:** | | **12** | **Multiplexers and Code Converters** |
|  | | |
| **Date:** |  | |
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**Aim:**  To study, design and implement:

1. Binary to Gray and Gray to Binary Code Converter (2-Bit, 3-Bit and 4-Bit)
2. Multiplexer using basic Gates (2x1 and 4x1)
3. Realise all the basic gates using 2x1 Multiplexer
4. Function Implementation using Multiplexers

**SOFTWARE TOOLS / OTHER REQUIREMENTS:**

1. Multisim Simulator/Circuit Simulator

# Theory:

# Simulation screenshots

**Conclusions**