Number Systems

1.2 Number Conversion

1. Convert the following numbers from binary to decimal.
   - a. 101101
   - b. 10001000

2. Convert the following binary numbers to octal.
   - a. 101001
   - b. 111001101

3. Convert the following binary numbers to hex.
   - a. 10010011
   - b. 100010111111

4. Convert the following decimal numbers to binary using ladder technique.
   - a. 32
   - b. 247

5. Convert the following decimal numbers to binary using positional notation technique.
   - a. 29
   - b. 258

6. Convert the following octal numbers to binary.
   - a. 30
   - b. 752

7. Convert the following hexadecimal numbers to binary.
   - a. D3
   - b. 7A1