Number Systems

**1.2 Number Conversion**

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

1. Convert the following binary numbers to octal.
   1. 101001 b. 111001101
2. Convert the following binary numbers to hex.
   1. 10010011 b. 100010111111
3. Convert the following decimal numbers to binary using ladder technique.
   1. 32 b. 247
4. Convert the following decimal numbers to binary using positional notation technique.
   1. 29 b. 258
5. Convert the following octal numbers to binary.
   1. 30 b. 752
6. Convert the following hexadecimal numbers to binary.
7. D3 b. 7A1