1. Write a program to convert decimal numbers to their binary representation.
2. Write a program to convert binary numbers to their decimal representation.
3. Write a program to convert decimal numbers to their hexadecimal representation.
4. Write a program to convert hexadecimal numbers to their decimal representation.
5. Write a program to convert hexadecimal numbers to binary numbers (directly).
6. Write a program to convert binary numbers to hexadecimal numbers (directly).
7. Write a program to convert from any numeral system of given base s to any other numeral system of base d (2 ≤ s, d ≤ 16).
8. Write a program that shows the binary representation of given 16-bit signed integer number (the C# type short).