***Assignment #1***

For Q1- Q4 you need to show your work

Q1: Find the Hexadecimal Representation for each of the following Binary numbers

1. **10101101**
2. **00100111**

Q2: Find the Decimal Representation for each of the following Hexadecimal numbers

1. **8EF**
2. **5CE**

Q3: Find the Binary Representation for each of the following Decimal numbers

1. **53**
2. **885**

Q4: Find the answer for the following

Hexadecimal

1. 35 + AB
2. AA – 22

**Binary**

1. 11110 + 00111
2. 11001 - 11011

Q5: Write a C++ program to convert a binary number into hexadecimal.

Note: for this question you need to submit the source code and screen shot for the output