Experiment 5
Lab Work

Question I:

1. Write a program that reads a 4-digit decimal number from the keyboard converts it into Hexadecimal then saves it in memory (as A).

   - When running your program use CodeView to see that the number has been effectively converted to Hex.

   - Use the following numbers for testing purposes:

     - $9999_{10} \rightarrow 270F_H$
     - $4587_{10} \rightarrow 11EB_H$

2. Modify your program so that it can accept 5 digit numbers.

Question II:

Write a program that reads two 4-digit-numbers (A and B) from the keyboard and then performs the division of A by B.

1. Display both the quotient (result of the division of A by B) and the remainder.

2. The program asks the user to enter a 1-digit number (p). The program will then display the decimal result of the division (including the decimal point) with p digits after the decimal point.

Question III:

Write a program that prompts the user to enter two numbers of 4 digits each, converts each of those numbers to hexadecimal. Then calculates the sum and the difference of the two numbers, and finally displays the result in decimal format.