

## **Assignment4 report**

In this assignment we need to learn computer hexadecimal numbers logic and convert to decimal. The most difficult part that I faced in this assignment is to add and multiply in hexadecimal. Because we need to know the logic in the array (ASCII Table) and then judge the value of the input to determine whether I should “-A+10” or “-0”. Apart from this, when I trying to print out the result I discover that I need to address alignment in literal addition or multiplication to ensure that it conforms to the assignment's specifications. As a result, I First observe his patterns and then use some for loops and judgments to achieve this goal. In the last part I should use the for loop to change the hexadecimal to the decimal and then verify the result is correct or not.