**Learning experience**

In this assignment, I learned to use Java built-in LinkedList class. I had started by creating my own LinkedList class and implementing other methods based on my class. This created complications with the JUnit test, meaning I had to re-adjust my add and get methods to work with the built-in LinkedList class. This made the program easier to implement because I could use this LinkedList’s methods to implement my own methods.

After fixing the LinkedList problem, I encountered another problem with the generation of an ip address for the hashTable. The hash code generated by the hashCode method in the CourseDBElement turned out to be greater than the assigned table size. This was particularly easy to fix, since all I had to do was to take the modulus of the hashcode and the table size.

With this assignment, I was able to tackle some of the issues I had when working with reading files. I faced a problem with splitting each line of my file into separate strings. I could not figure out how to limit the number of times the split() divides my line. But with a little bit of research, I found that the split method can take 2 arguments. With the second argument, I set the number of times split() could divide each line the scanner reads in and could parse them appropriately.