**Lab 12 - Hashing**

In this lab, you will implement and evaluate the performance (run time, # of conflicts), for different load factors, of three hashing schemes: (i) linear, (ii) quadratic, and (iii) double hashing. The required files (*DoubleHash.java, LinearProbe.java, QuadraticProbe.java, KeyValuePair.java, Driver.java,* and *PrimeNumber.java*) for this lab can be found in the ~class\_sandip/2003/Hashing directory on the linux server.

Modify the *DoubleHash.java, LinearProbe.java, QuadraticProbe.java* to include adding and retrieving the items. Submit a short report comparing the performance of the hashing schemes for adding and retrieving items for different load factors.