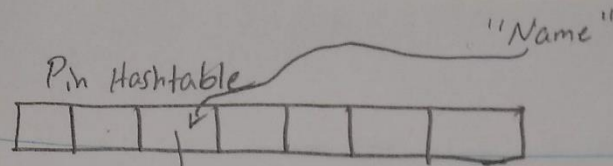
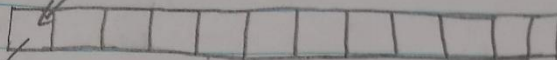


Data Structure

- All Employees will have an Employee object storing their total hours worked, name, position, and an ArrayList that holds their workday hours tracked through a Workday object.
- These Employee objects are stored in a hashtable to allow employees easy access to their accounts. The key that indexes their account is their employee pin.
- A new Workday object is initialized when they punch in, this will also initialize a String holding the time that they clocked in called loginTime, along with a String holding the date. When they sign out the signOutTime String is initialized with the time they clocked out.
- The employer can gain access to these accounts through a Pin hashtable using the employee name as the key. This hashtable holds the employee's pin and will implicitly use the pin on the hashtable that holds the Employee objects, letting the employer access their employee's account.



Employee Hash table



Employee Object

String Name

String Position

double hours — the total hours worked

Workday — an arraylist of workday objects for the current month

Workday Object

Double hoursForDay

String loginTime

String signOutTime

String DATE

