**Csc1203- assignment#2**

**Real estate firm : ER diagram**

A real estate firm lists property for sale and wishes to establish a database system for its operation. The firm has a number of sales offices in several states. Each sales office has office\_number and address (city, state and zip). Each sales office is assigned one or more employees. Every employee has an employee\_id and employee\_name. An employee must be assigned to only one sales office. If an employee is married to another employee of the firm, the date of the marriage and who is married to whom must be stored; however, no record of marriage is required if an employee’s spouse is not also an employee. For each sales office, there is always one employee assigned to manage that office. An employee may manage only the sales office to which he or she is assigned. In other words, an employee cannot be assigned to one office, yet manage another office.

The firm lists property for sale; which has property\_id, and address (city, state and zip). Each property must be listed with one and only one of the sales offices. A sales office may have any number of properties listed or may have no properties listed.

Each property has one or more owners. Every owner has an owner\_id and owner name. An owner may own one or more property. The firm wants to keep track of the percentage that a given owner owns a given piece of property. For example, imagine that Smith and Jones both own property A. Smith owns 35% of property A and Jones owns 65% of property A. The firm wants to retain this information and they want to call it percent\_owned.