**Inheritance**

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| 1. | Assume that a bank maintains two kinds of accounts for customers. One called saving a/c and other as current a/c. The saving a/c provides interest and the current a/c does not provide interest. Current a/c holders should maintain min balance and if falls below this level a service charge is imposed.  Create a class account that store customer name, a/c type ,a/c no. from this class derive 2 classes current and savings & add suitable data members. Perform the following tasks:   1. Accept the deposit from customer and update the balance. 2. Display the balance. 3. Computer interest. 4. Check the mini balance and allow withdraw; else add penalty charges. |
| 2 | Create the above classes using inheritance and display the result. |
| 3 | Create employee class with attributes empid and emp\_name an two subclasses: Hourly\_emp and fulltime\_emp. Hourly employees will have attributes hourly wages and hours worked. Fulltime\_emp will have salary and commission rate. Both the classes will have calculate\_salary method which will calculate salary on their respective attributes. |
| 4 | Create the following classes and test the functionalities for the same.  Doctor  fees , name  Void acc() Void dis()  Dentist  Heart Sp.  Assume suitable data and test the functions of Doctor class. |
| 5 | Develop a program for function overriding. [assume suitable class and subclass] |
| 6 | Create a class and subclass which shows the demonstration of super keyword and method overriding. |