**Lab 4\_final**

1. Create a **BankAccount** class having

* Constructor: Which will accept a double value for **balance**.
* Methods:

1. **deposit**: Which will accept a double value
2. **withdraw**: Which will accept a double value, check if balance is greater than the value +minimum balance
3. **getBalance**: which will return the balance.
4. Modify the BankAccount class created in 1 to

* Implement unique and sequential account numbers (**accNo**) for all BankAccounts created (Starting with 180020131111).
* Variable to store **numberOfTransactions.** Modify all the methods to increment this for any transaction.
* Method for **transfer** money between two bank accounts.
  + This method should use the existing methods, **withdraw** and **deposit.**
  + It should check if there is sufficient balance before transferring.
  + Increment **numberOfTransactions** for both accounts

1. Modify the BankAccount class

* Implement a Class **LastTransaction** which will have a String variable (**lastTran**) for type of last transaction: **Withdraw**, **Deposit** or **Transfer** are possible values.
* Implement a class **PersonalDetails**. This will have 2 String variables: **name** and **address**. Override the **toString()** method to print both the name and address.
* Modify the **BankAccount** class to have objects of **LastTransaction and PersonalDetails** as fields. Override the **toString()** method to print **Account number, Name, Address, Last transaction.**
* Modify the constructor to accept the details for name and address.
* Modify the methods **withdraw**, **deposit** or **transfer** such that **lastTran** field is updated.

1. Create a **Banking** class with a Main method which does the following:

Create 2 BankAccounts with initial deposits 5000 and 2000 and with names and address of your parent and yourself. Do withdraw, deposit and transfer. After each operation print the toString() of your account.