**Assignment #6:**

1. Write a java program to use the concept of encapsulation. Create a class Account which has 4 private member Account\_type, Ac\_Holder\_name, AC\_no, and branch, inside this class create some getter and setter method for each member. Create another class separately name as StudentDetails which contains your main method and set the detail and get the Account detail.
2. Create a java file called outer.java which contains a static inner class called inner and declare a method inside a inner class which display factorial of a given number. Call the inner class method from the main function without creating object of the class.
3. Create a java file called outer1.java which contains inner class called inner1 and declare a method inside a inner class which display the sum of first and third digit of a given three digits number. Call the inner class method from the main function.
4. Write a java program for nested class which will demonstrate the following concept.

* Use private data member to access from the inner class
* Use default constructor for the outer class and inner class
* Use static block in outer class
* Check whether can we use static block in non-static inner class (only check it)
* Declare a method in outer class space and call it from main method
* Declare a method in inner class space and call it from main method