# Assignment #2

Add the following classes to the Hierarchy

1. PersonalLoan
2. HomeLoan (has additional data member limit which allows loans above limit to have increased rate, some logic can be assumed. For example if the limit of Home Loan is set to 25000, above that 1% extra rate)
3. Provide an appropriate constructors for HomeLoan class which initialises this limit data member.
4. Provide interface Taxable
   1. Double getTax() // method which gets tax on emi calculated
5. Provide interface Discountable
   1. Double getDiscount() // method gives discount on emi calculated
6. PersonalLoan is Taxable and HomeLoan is Discountable
7. Hence getTax() and getDiscount() are to be implemented in derived classes. As these taxes are They are to be calculated separately.
8. Provide an Utility Function PrintAll in test program which takes array of loans

prints the EMI of particular loan along with its applicable tax on EMI or applicable discount on EMI.

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Logic for GetRate varies based on the type loan

1. For PersonalLoan (upto 5 lakhs is 15% above 5 lakhs 16%)
2. For HomeLoan (upto 20 lakhs is 10% above 20 lakhs 11% and if above approved limit additional 1%)

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