# Assignment #1

Note:

Program should be according to convention given by Hussain sir.

**Make assumptions wherever necessary.**

*Using Java Programming do the following:*

|  |
| --- |
| Loan |
| - principle  - period |
| + GetPrinciple : double  + SetPrinciple(double):void  + GetPeriod() : float  + SetPeriod(float) : void  + GetRate() : float (pure virtual fn)  + GetEMI() : double |

Add the following classes to the Hierarchy

1. PersonalLoan
2. HomeLoan

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%)

Call its Installment method and print

the returned installment

**emi = p \* (1 + r \* n / 100) / (12 \* n)**

**Implement the above using DotNet Programming**