

Mumbai Educational Trust's
Institute of Information Technology

C++
Programming

Assignment#5

In C# provide the implementation for the following classes

Note:

Loan // Abstract Class
- principle - period
+ GetPrinciple : double + SetPrinciple(double):void + GetPeriod() : float + SetPeriod(float) : void + GetRate() : float (abstract fn) + GetEMI() :

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

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

a) Write Test Program to test above classes.

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