Loan Calculator CLI

* Create a CLI Application that accepts **bankName**, **loanAmount** and **loanTerm** as command-line arguments.
* The goal is to compute the monthly installment based on the **loanAmount**, **loanTerm** for a specific bank.
* The output will be the monthly installment (**including interest rate**)

Input:

|  |  |  |
| --- | --- | --- |
| Command Line Argument | Type | Example |
| bankName | string | metrobank |
| loanAmount | number | 20000 |
| loanTerm (months to pay) | number | 12 |

Output: monthly installment

Bank Details:

|  |  |
| --- | --- |
| Bank Name | Interest Rate |
| metrobank | 1.5% |
| bpi | 1.2% |
| bdo | 1.7% |

Instructions:

1. Create a baseclass name **Bank** that has 2 properties: **loanAmount** and **interestRate.**
   1. Create method name **getMonthlyInstallment** which accepts 1 parameter name **loanTerm.**
2. Create 3 Derived/sub classes for **Metrobank**, **BPI** and **BDO** that has **loanAmount** property and use **Bank** class to be superclass/baseclass.
3. Create a class name **LoanCalculator** that has 3 properties: **bankName**, **loanAmount** and **loanTerm.**
   1. Create method name **getMonthlyInstallment** with no parameters.
      1. the method should get the Bank class instance based on the bankName property.
      2. the method should return the computed monthly installment.
4. Lastly, create an instance of **LoanCalculator** passing the appropriate properties from Command line arguments (using yargs) to the class constructor and print the returned value of **getMonthlyInstallment** method to the console.

Class Details:

|  |  |  |
| --- | --- | --- |
| Bank | | |
| Properties/Methods | Type | Description |
| loanAmount | number | The requested loan amount |
| interestRate | number | Monthly add-on |
| getMonthlyInstallment (loanTerm) | Function | Returns the computed monthly installment |

|  |  |  |
| --- | --- | --- |
| LoanCalculator | | |
| Properties/Methods | Type | Description |
| bankName | String | The name of the bank |
| loanAmount | number | The requested loan amount |
| loanTerm | number | Total months to pay |
| getMonthlyInstallment() | Function | Returns the computed monthly amount |

Test Cases:













* **Deadline: Feb 24, 2020 (Wed EOD)**