DataBase :

Loan_Acct_No	Customer_Name	Loan_Type	Loan_Amount	Interest_Rate	EMI_Per_Month
LP123456	david	CL	200000	5.99	11980
LP123457	james	HL	1050000	8.49	89145
LP123458	jessy	PL	500000	14.99	74950
LP123459	siva	CL	105000	10.25	10762.5
LP123460	raj	PL	50000	15.99	7995
LP123461	kate	HL	3000000	12.99	389700
LP123462	lara	PL	800000	13.56	108480
LP123463	david	HL	1000000	13.99	139900
LP123464	james	CL	650000	8.57	55705
LP123465	siva	HL	2500000	8.99	224750
LP123458	jessy	HL	4000000	7.99	319600

Note

HL	House Loan
PL	Personal Loan
CL	Car Loan

EMI_PER_MONTH = (Loan_Amount * Interest_Rate) / 100

Create SOAP Web Service Requirement:

Loan Account No i.e "Loan_Acct_No" in database should be the primary key.

Operation 1: retrieveCustomerLoanAcountDetails:

Request :

      1. LoanAccountNo

Response:

      Retrieve all the details

Operation 2: retrieveAllHoldingLoansOfACustomer

Request:

      1. CustomerName

Response:

1. LoanAccountNo
2. CustomerName
3. LoanType
4. LoanAmount

Example:

If "Gowtham" is the customer name having two loans i.e. PL and HL, then these two loan details should be shown in response.

Operation 3: changeInterestRate

Request:

      1. LoanAccountNo
      2. NewInterestRate

Response:

      1. LoanAccountNo

      2. CustomerName

      3. LoanAmount

      4. InterestRate (Retrieve updated interestRate from database)

      5. UpdatedEmiPerMonth (Once the interest rate is changed, then EMI per month also will change, so calculate new EMI as per new interest rate. Update the same DB, retrieve from database after update, and show new EMI per month in response.

Operation 4: UpdateForToUpLoan

Request:

      1. ExtraPrincialAmount (Or) TopUpLoanAmount

      2. LoanAccountNo

      3. InterestRateForTopup

Response:

      1. LoanAccountNo

      2. CustomerName

      3. NewLoanAmount(Once the top Up is applied, Total loan amount will be changed i.e. old+topup amount will be the new loan amount)

      4.UpdatedEmiPerMonth (Here also once the interest rate is changed for topup, then EMI per month also will change, So calculate new EMI as per new interest rate for the topupLOan. Update the same DB, retrieve from database after update, and show new EMI per month in response)