

Lab Assignment 4**2021 – 2022 Spring, CMPE 211 Fundamentals of Programming II**

In this assignment you have to implement a **restructuringLoan()** method that will restructure the loan payments.

Your main method will be:

```
public static void main(String[] args) {

    Person person1 = new Person("Ali", "Irmak", 36, 5000);
    Person person2 = new Person("Veli", "Kaya", 61, 3500);

    CreditCard card1 = new CreditCard();
    Vehicle vehicle1 = new Vehicle();
    Personal personal1 = new Personal();

    card1.restructuringLoan(12, person1, 1244.00, 1244.00, 1244.00,
1244.00);

    vehicle1.restructuringLoan(24, person1, 800.00, 800.00, 800.00,
800.00, 800.00, 800.00, 800.00);

    personal1.restructuringLoan(24, person2, 650.00, 650.00, 650.00,
650.00, 650.00, 650.00, 650.00);

}
```

Your **restructuringLoan()** method will be written in such form. You will send newMonthNumber, Person object and remaining payment installments as a variable length of parameter lists.

```
public void restructuringLoan(int newMonthNumber, Person person, double...
remainingInstallments)
{
    //....
}
```

Note:

You have to use the **calculateInterest()** method to recalculate of the new installments for each type of loans.

You must submit all your five .java source files into available Moodle (LMS) VPL.

Expected Output:

New CreditCard Loan Repayment will be: 5774.647999999999

Your new payments will be: 481.22066666666666 x 12

New Vehicle Loan Repayment will be: 7557.2

Your new payments will be: 314.8833333333333 x 24

New Personal Loan Repayment will be: 6393.164061375

Your new payments will be: 266.381835890625 x 24