

PROGRAMMING FUNDAMENTAL

POST LAB TASK

3.2

Program:

```
int main()
{
    double VehiclePrice, downpayment, interestRate=0, newpayableAmount, monthlyInstallment;
    int installmentMonths;
    cout<<" Enter the Vehicle Price in rupees ";
    cin>>VehiclePrice;
    cout<<" Enter the down payment in rupees ";
    cin>>downpayment;
    cout<<" For how many months, do you want to lease the car ";
    cin>>installmentMonths;
    double payableAmount = VehiclePrice - downpayment;
    if(installmentMonths <= 12){
        interestRate= 0.10;
    }else if(installmentMonths <=24){
        interestRate= 0.15;
    }else if(installmentMonths <=36){
        interestRate= 0.20;
    }else if(installmentMonths <=48){
        interestRate= 0.25;
    }else if(installmentMonths <=60){
        interestRate= 0.30;}
    newpayableAmount= payableAmount +(payableAmount * interestRate);
    monthlyInstallment= newpayableAmount / installmentMonths;
    cout<<" Your Monthly Installment is: RS"<< monthlyInstallment << endl;
    return 0;
}
```

Output:

```
Enter the Vehicle Price in rupees
200000
Enter the down payment in rupees
10000
For how many months, do you want to lease the car
24
Your Monthly Installment is: RS91041.7
```