

MAIN PROGRAM (Class: CarUpgrade)

```

package car;
import java.text.DecimalFormat;
import java.util.*;
public class CarUpgrade
{ //Marasigan, Vem Aiensi
    public static void main(String[] args)
    {
        //Instantiations
        DecimalFormat df = new DecimalFormat("#,###,##0.00php");
        Scanner in = new Scanner(System.in);
        Car sasakyan = new Car();

        //Owner input
        System.out.print("Owner: ");
        String name = in.nextLine();
        System.out.print("Year Model: ");
        int model = in.nextInt();

        //Available amount input
        System.out.print("Please type available amount: ");
        sasakyan.av = in.nextInt();
        System.out.println();

        //Process
        sasakyan.owner(name, model);
        System.out.println("Available Amount Before Upgrade: " + df.format(sasakyan.av));
        sasakyan.upgradeAccesories();
        System.out.println("Amount Remaining After Upgrade: " + df.format(sasakyan.av));
    }
}

```

Class: Car

```

package car;

public class Car
{
    public void owner(String n, int cm)
    {
        System.out.println("Owner: " + n + "\nYear Model: " + cm);
    }
    int av = 0;

    static int [] upgrades = {21500, 14400, 6250, 3300};
    static String [] uName = {"AC" , "Leather Seats", "Back Wipers", "Fog Lights" };
    static int count = 0;

    void upgradeAccesories()
    {

```

```

    if (this.av > upgrades[count])
    {
        System.out.println("Installed " + uName[count] + ":" + " true");
        av -= upgrades[count];
        count++;
        if (count == 4)
            return;
        upgradeAccessories();
    }
    else
    {
        for (; count < 4; count++)
            System.out.println("Installed " + uName[count] + ":" + " false");
        return;
    }
}
}
}

```

Sample Input/Output

```

Console X
<terminated> CarUpgrade [Java Application] C:\Program Files\Java\jdk-17\bin\jav
Owner: Marcus Laurence
Year Model: 2014
Please type available amount: 25000
|
Owner: Marcus Laurence
Year Model: 2014
Available Amount Before Upgrade: 25,000.00php
Installed AC: true
Installed Leather Seats: false
Installed Back Wipers: false
Installed Fog Lights: false
Amount Remaining After Upgrade: 3,500.00php

```

```

Console X
<terminated> CarUpgrade [Java Application] C:\Program Files\Java\jdk-17\bin\java
Owner: Vem Aiensi
Year Model: 2019
Please type available amount: 40000
|
Owner: Vem Aiensi
Year Model: 2019
Available Amount Before Upgrade: 40,000.00php
Installed AC: true
Installed Leather Seats: true
Installed Back Wipers: false
Installed Fog Lights: false
Amount Remaining After Upgrade: 4,100.00php

```

```

Console X
<terminated> CarUpgrade [Java Application] C:\Program Files\Java\jdk-17\bin\java
Owner: Marcus Laurence
Year Model: 2014
Please type available amount: 50500
|
Owner: Marcus Laurence
Year Model: 2014
Available Amount Before Upgrade: 50,500.00php
Installed AC: true
Installed Leather Seats: true
Installed Back Wipers: true
Installed Fog Lights: true
Amount Remaining After Upgrade: 5,050.00php

```