

KENT JOSHUA Q. FRANCISCO

IT 2A

EXER 3

```
public class User {  
    private String name;  
    private int age;  
    private String address;  
    private String telephone;  
  
    public User(String name, int age, String address, String telephone) {  
        this.name = name;  
        this.age = age;  
        this.address = address;  
        this.telephone = telephone;  
    }  
  
    // Getters  
    public String getName() { return name; }  
    public int getAge() { return age; }  
    public String getAddress() { return address; }  
    public String getTelephone() { return telephone; }  
  
    public void displayInfo() {  
        System.out.println("Buyer Name: " + name);  
        System.out.println("Age: " + age);  
        System.out.println("Address: " + address);  
        System.out.println("Telephone: " + telephone);  
    }  
}
```

```
}
```

```
class InstallmentGadget {  
    private String gadgetName;  
    private double price;  
    private double downpayment;  
    private int months;  
  
    public InstallmentGadget(String gadgetName, double price, double downpayment, int months) {  
        this.gadgetName = gadgetName;  
        this.price = price;  
        this.downpayment = downpayment;  
        this.months = months;  
    }  
  
    public String getGadgetName() { return gadgetName; }  
    public double getPrice() { return price; }  
    public double getDownpayment() { return downpayment; }  
    public int getMonths() { return months; }  
  
    public double getRemainingBalance() {  
        return price - downpayment;  
    }  
  
    public double getMonthlyPayment() {  
        if (months <= 0) return 0;  
        return getRemainingBalance() / months;  
    }  
}
```

```

public void displayInfo() {
    System.out.println("Gadget: " + gadgetName);
    System.out.println("Total Price: ₱" + price);
    System.out.println("Downpayment: ₱" + downpayment);
    System.out.println("Remaining Balance: ₱" + getRemainingBalance());
    System.out.println("Installment Plan: " + months + " month(s)");
    System.out.printf("Monthly Payment: ₱%.2f\n", getMonthlyPayment());
    System.out.println("Includes 1 year warranty.");
}
}

```

```

import java.util.Scanner;

```

```

public class GadgetInstallment {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Input buyer info
        System.out.println("=== Gadget Installment Purchase System ===");
        System.out.print("Enter your name: ");
        String name = scanner.nextLine();

        System.out.print("Enter your age: ");
        int age = Integer.parseInt(scanner.nextLine());
    }
}

```

```
System.out.print("Enter your address: ");
```

```
String address = scanner.nextLine();
```

```
System.out.print("Enter your telephone number: ");
```

```
String telephone = scanner.nextLine();
```

```
User user = new User(name, age, address, telephone);
```

```
System.out.println("\n=== Gadget Selection ===");
```

```
System.out.print("Enter gadget name (Laptop/Tablet/Smartphone): ");
```

```
String gadgetName = scanner.nextLine();
```

```
System.out.print("Enter gadget price (₱): ");
```

```
double price = Double.parseDouble(scanner.nextLine());
```

```
System.out.print("Enter downpayment (₱): ");
```

```
double downpayment = Double.parseDouble(scanner.nextLine());
```

```
while (downpayment > price) {
```

```
    System.out.println("⚠️Downpayment cannot be greater than price. Please re-enter:");
```

```
    System.out.print("Enter downpayment (₱): ");
```

```
    downpayment = Double.parseDouble(scanner.nextLine());
```

```
}
```

```
System.out.print("Enter number of months to pay: ");
```

```
int months = Integer.parseInt(scanner.nextLine());
```

```
InstallmentGadget gadget = new InstallmentGadget(gadgetName, price, downpayment,
months);
```

```
// summary
```

```
System.out.println("\n=== Purchase Summary ===");
```

```
user.displayInfo();
```

```
System.out.println();
```

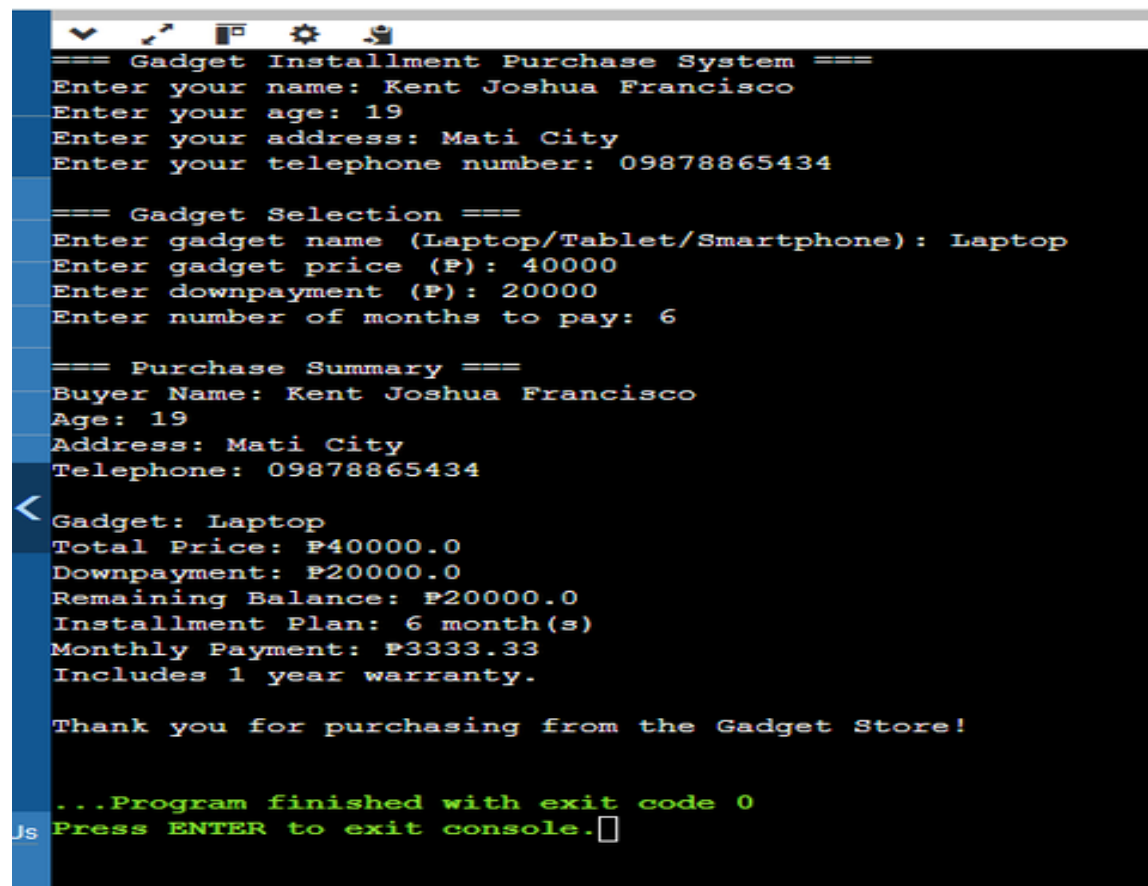
```
gadget.displayInfo();
```

```
System.out.println("\nThank you for purchasing from the Gadget Store!");
```

```
scanner.close();
```

```
}
```

```
}
```



```
==== Gadget Installment Purchase System ====
Enter your name: Kent Joshua Francisco
Enter your age: 19
Enter your address: Mati City
Enter your telephone number: 09878865434

==== Gadget Selection ====
Enter gadget name (Laptop/Tablet/Smartphone): Laptop
Enter gadget price (P): 40000
Enter downpayment (P): 20000
Enter number of months to pay: 6

==== Purchase Summary ====
Buyer Name: Kent Joshua Francisco
Age: 19
Address: Mati City
Telephone: 09878865434

< Gadget: Laptop
Total Price: P40000.0
Downpayment: P20000.0
Remaining Balance: P20000.0
Installment Plan: 6 month(s)
Monthly Payment: P3333.33
Includes 1 year warranty.

Thank you for purchasing from the Gadget Store!

...Program finished with exit code 0
Press ENTER to exit console. □
```