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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;  
    }  
    // Display method  
    public void displayInfo() {  
        System.out.println("Buyer Name: " + getName());  
    }  
}
```

```

        System.out.println("Age: " + getAge());

        System.out.println("Address: " + getAddress());

        System.out.println("Telephone: " + getTelephone());
    }
}

class Gadget {
    private String type;
    private double price;

    public Gadget(String type, double price) {
        this.type = type;
        this.price = price;
    }

    // Getters
    public String getType() {
        return type;
    }

    public double getPrice() {
        return price;
    }

    // Display method
    public void displayInfo() {
        System.out.println("Gadget Type: " + getType());
        System.out.println("Price: ₹" + getPrice());
        System.out.println("Includes 1 year warranty.");
    }
}

```

```
import java.util.Scanner;

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

        // Get user input
        System.out.println("=== Buyer Information ===");
        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();

        // Create encapsulated User object
        User user = new User(name, age, address, telephone);

        // Get gadget input
        System.out.println("\n=== Gadget Purchase ===");
        System.out.println("Select gadget type:");
        System.out.println("1 - Laptop");
        System.out.println("2 - Tablet");
        System.out.println("3 - Smartphone");
        System.out.print("Enter your choice (1-3): ");
        int choice = Integer.parseInt(scanner.nextLine());
    }
}
```

```
String gadgetType = switch (choice) {
```

```
    case 1 -> "Laptop";
```

```
    case 2 -> "Tablet";
```

```
    case 3 -> "Smartphone";
```

```
    default -> "Unknown Gadget";
```

```
};
```

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

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

```
// Create encapsulated Gadget object
```

```
Gadget gadget = new Gadget(gadgetType, price);
```

```
// Display output
```

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

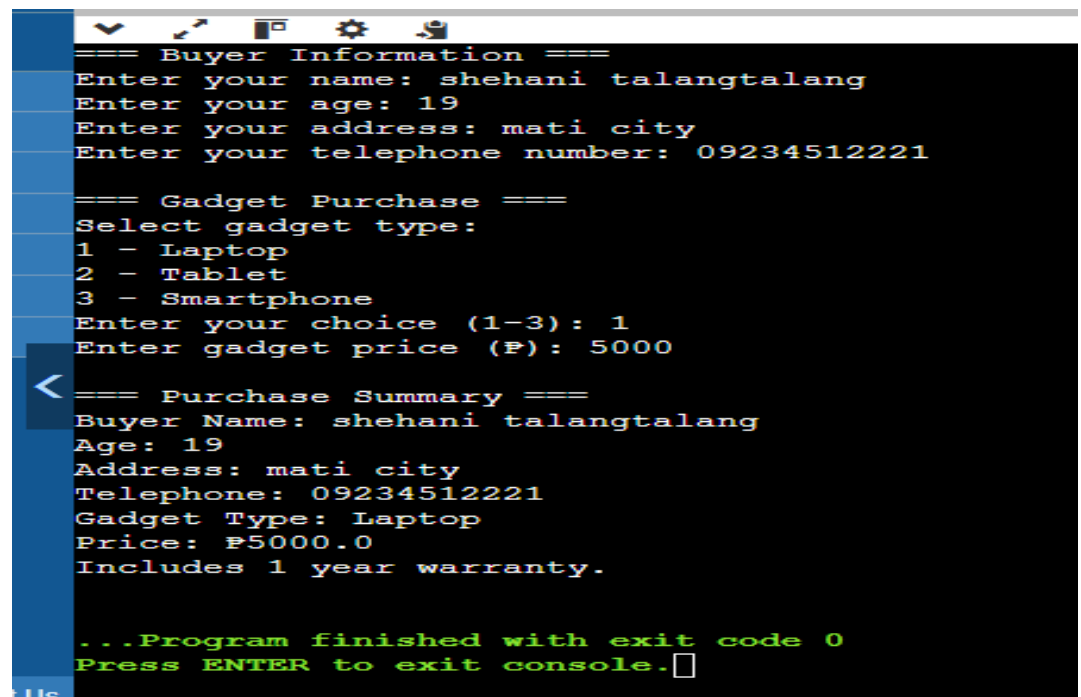
```
user.displayInfo();
```

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

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

```
}
```

```
}
```



```
==== Buyer Information ====
Enter your name: shehani talangtalang
Enter your age: 19
Enter your address: mati city
Enter your telephone number: 09234512221

==== Gadget Purchase ====
Select gadget type:
1 - Laptop
2 - Tablet
3 - Smartphone
Enter your choice (1-3): 1
Enter gadget price (₱): 5000

<==== Purchase Summary ====
Buyer Name: shehani talangtalang
Age: 19
Address: mati city
Telephone: 09234512221
Gadget Type: Laptop
Price: ₱5000.0
Includes 1 year warranty.

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