

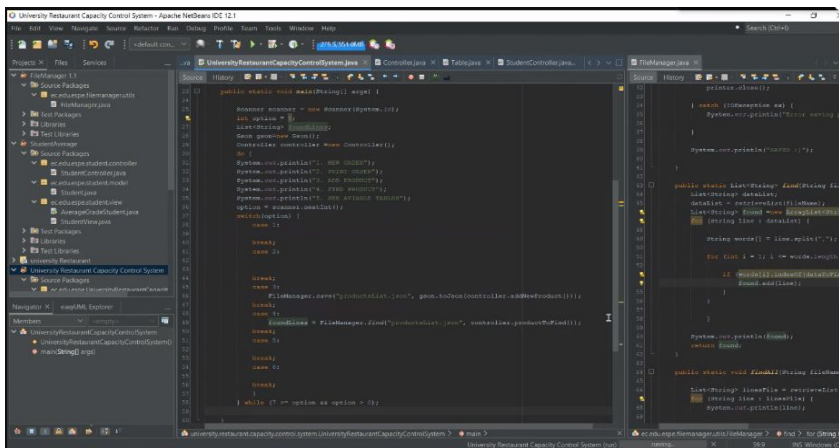
Universidad de las Fuerzas Armadas Espe

Names: Gallardo Juan, Hidrobo Nicolás, Lara Nicole, Maranje Cristian.

Walkthrough Project: University Restaurant Capacity Control System

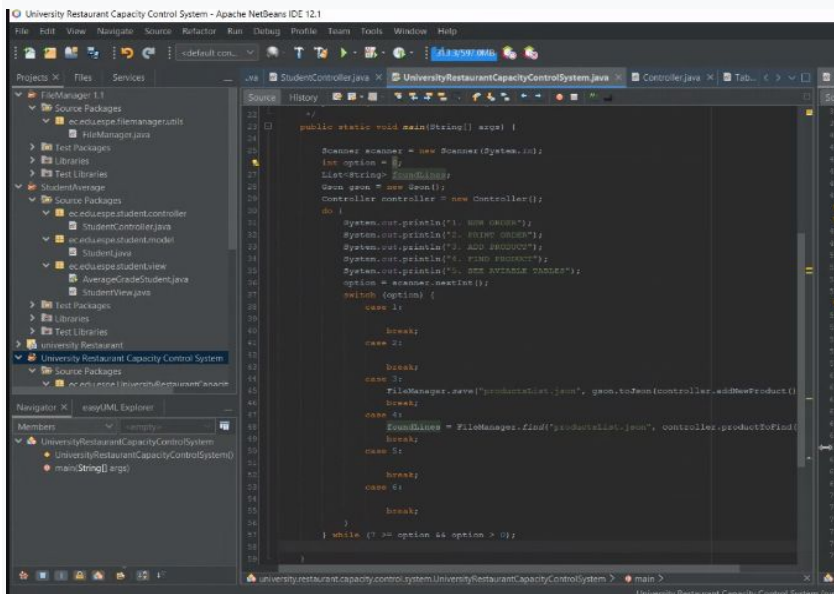
1. Breaking Indentation

we had an error in the indent of the code regarding the if statements.



```
public static void main(String[] args) {  
    Scanner scanner = new Scanner(System.in);  
    int option = 0;  
    List<String> products = new ArrayList<>();  
    Scanner scanner2 = new Scanner(System.in);  
    Controller controller = new Controller();  
    do {  
        System.out.println("1. NEW PRODUCT");  
        System.out.println("2. REMOVE PRODUCT");  
        System.out.println("3. ADD PRODUCT");  
        System.out.println("4. FIND PRODUCT");  
        System.out.println("5. SHOW ALL PRODUCTS");  
        option = scanner.nextInt();  
        switch (option) {  
            case 1:  
                break;  
            case 2:  
                break;  
            case 3:  
                FileManager.save("productList.json", gson.toJson(controller.addNewProduct()));  
                break;  
            case 4:  
                FoundLines = FileManager.find("productList.json", controller.productToFind());  
                break;  
            case 5:  
                break;  
            default:  
                break;  
        }  
        System.out.println("Press 0 to exit");  
        option = scanner.nextInt();  
    } while (option < 0 || option > 5);  
}
```

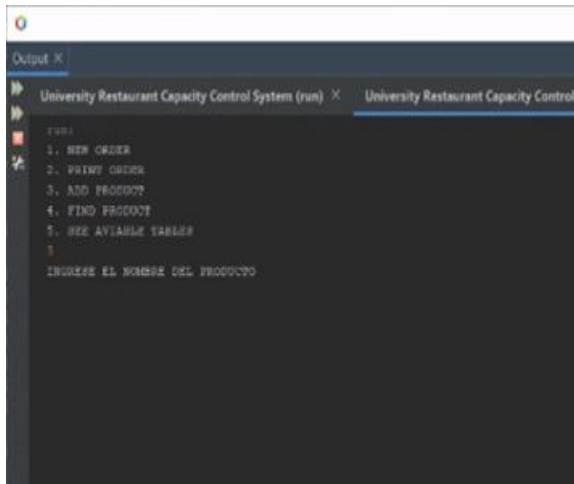
Solution: digiter alt + shif + f to correct indentation.



```
public static void main(String[] args) {  
    Scanner scanner = new Scanner(System.in);  
    int option = 0;  
    List<String> products = new ArrayList<>();  
    Scanner scanner2 = new Scanner(System.in);  
    Controller controller = new Controller();  
    do {  
        System.out.println("1. NEW PRODUCT");  
        System.out.println("2. REMOVE PRODUCT");  
        System.out.println("3. ADD PRODUCT");  
        System.out.println("4. FIND PRODUCT");  
        System.out.println("5. SHOW ALL PRODUCTS");  
        option = scanner.nextInt();  
        switch (option) {  
            case 1:  
                break;  
            case 2:  
                break;  
            case 3:  
                FileManager.save("productList.json", gson.toJson(controller.addNewProduct()));  
                break;  
            case 4:  
                FoundLines = FileManager.find("productList.json", controller.productToFind());  
                break;  
            case 5:  
                break;  
            default:  
                break;  
        }  
        System.out.println("Press 0 to exit");  
        option = scanner.nextInt();  
    } while (option < 0 || option > 5);  
}
```

2.- Different languages in the same code

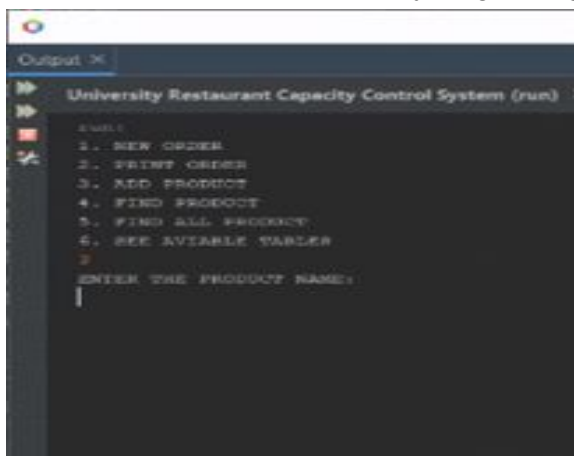
Always when printing code messages, these messages must have the same language.



The screenshot shows a code editor window titled "University Restaurant Capacity Control System (run)". The code displays a menu in Spanish:

```
TABLE  
1. NEW ORDER  
2. PRINT ORDER  
3. ADD PRODUCT  
4. FIND PRODUCT  
5. SEE AVAILBLE TABLES  
6  
INGRESE EL NOMBRE DEL PRODUCTO
```

Solution: In the code print everything in English

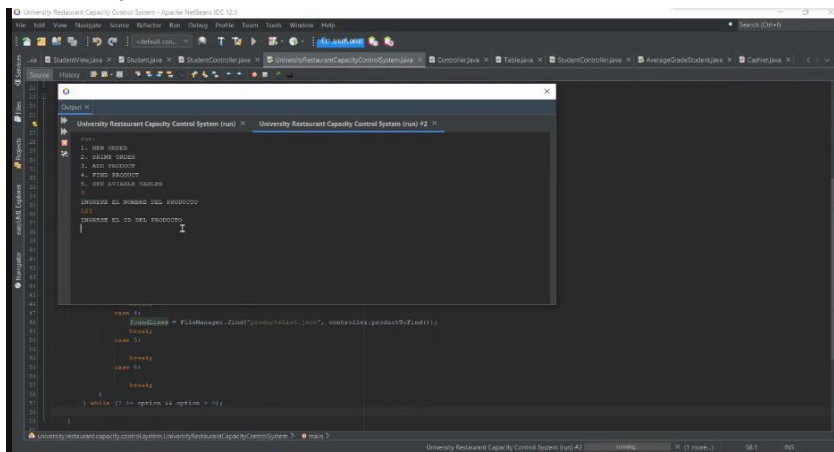


The screenshot shows the same code editor window, but the menu is now in English:

```
TABLE  
1. NEW ORDER  
2. PRINT ORDER  
3. ADD PRODUCT  
4. FIND PRODUCT  
5. FIND ALL PRODUCT  
6. SEE AVAILBLE TABLES  
7  
ENTER THE PRODUCT NAME:
```

3.wrong data entry

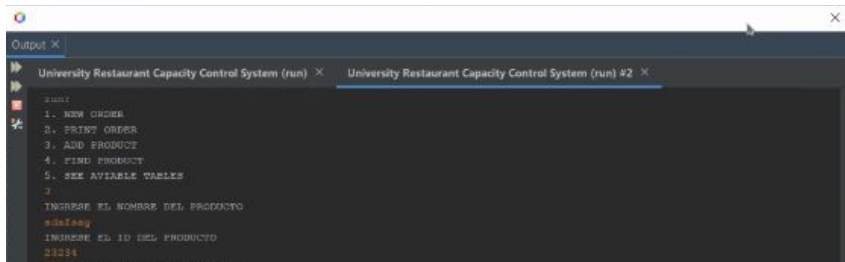
data entry in option 3 on behalf of the product.



The screenshot shows an IDE with a code editor window titled "University Restaurant Capacity Control System (run)". The code displays a menu in English, and the user has entered "1" for option 3. Below the menu, the code shows a loop that repeatedly prompts the user to enter the product name:

```
while (true) {  
    System.out.println("ENTER THE PRODUCT NAME:");  
    String product = scanner.nextLine();  
    if (product.isEmpty()) {  
        System.out.println("PRODUCT NAME CANNOT BE EMPTY");  
        continue;  
    }  
    // Add product logic  
}
```

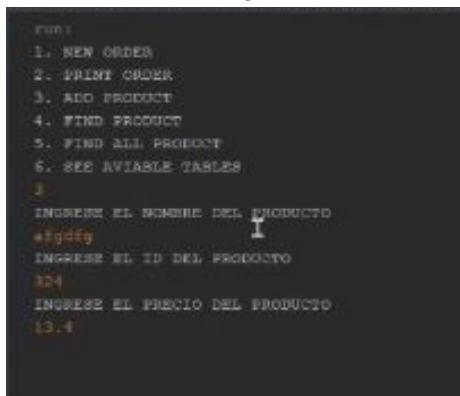
Solution: The name of the product must be in words to store them in a variable of type string. In the same case for the product Id it must be stored in the variable of type int.



```
Output X
University Restaurant Capacity Control System (run) x University Restaurant Capacity Control System (run) #2 x
main:
1. NEW ORDER
2. PRINT ORDER
3. ADD PRODUCT
4. FIND PRODUCT
5. SEE AVIABLE TABLES
3
INGRESE EL NOMBRE DEL PRODUCTO
adafasy
INGRESE EL ID DEL PRODUCTO
21234
```

4.price entry

error when entering product price with a point.



```
main:
1. NEW ORDER
2. PRINT ORDER
3. ADD PRODUCT
4. FIND PRODUCT
5. FIND ALL PRODUCT
6. SEE AVIABLE TABLES
3
INGRESE EL NOMBRE DEL PRODUCTO
adafasy
INGRESE EL ID DEL PRODUCTO
21234
INGRESE EL PRECIO DEL PRODUCTO
13.4
```

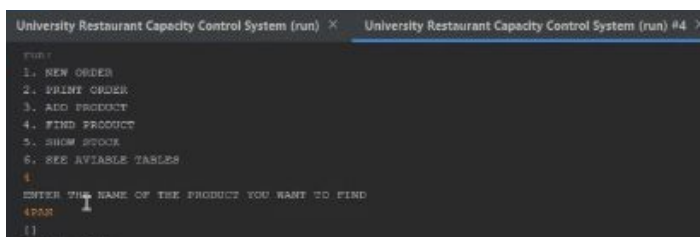
Solution: It is necessary for the customer to enter the price by putting a comma separating the decimal value.



```
main:
1. NEW ORDER
2. PRINT ORDER
3. ADD PRODUCT
4. FIND PRODUCT
5. FIND ALL PRODUCT
6. SEE AVIABLE TABLES
3
INGRESE EL NOMBRE DEL PRODUCTO
adafasy
INGRESE EL ID DEL PRODUCTO
21234
INGRESE EL PRECIO DEL PRODUCTO
134.454
```

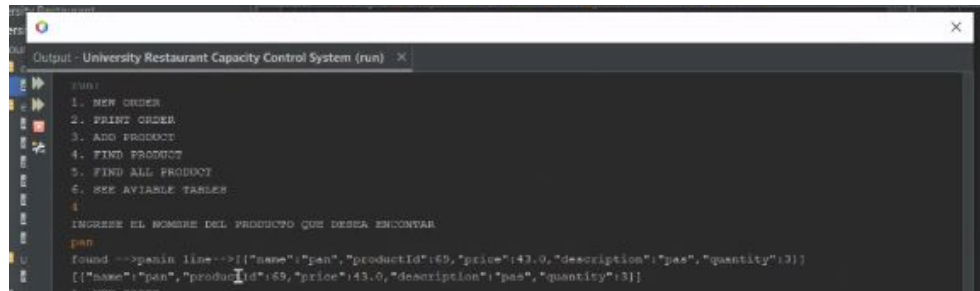
5.Validation error

in option 4 Find product there is the digitization of a number and the word.



```
University Restaurant Capacity Control System (run) x University Restaurant Capacity Control System (run) #4 x
main:
1. NEW ORDER
2. PRINT ORDER
3. ADD PRODUCT
4. FIND PRODUCT
5. SHOW STOCK
6. SEE AVIABLE TABLES
4
ENTER THE NAME OF THE PRODUCT YOU WANT TO FIND
4PDR
[]
```

Solution: Write correctly the word type string so that you can find the product and display Product product.



```
Output - University Restaurant Capacity Control System (run) X  

1. NEW ORDER  

2. PRINT ORDER  

3. ADD PRODUCT  

4. FIND PRODUCT  

5. FIND ALL PRODUCT  

6. SEE AVAILBLE TABLES  

4  

INGRESSE EL NOMBRE DEL PRODUCTO QUE DESSEA ENCONTRAR  

panin  

found -->panin line-->[{"name":"pan", "productId":69, "price":43.0, "description":"pas", "quantity":3}]  

[{"name":"pan", "productId":69, "price":43.0, "description":"pas", "quantity":3}]
```