

Caela Mills

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IST 242, 001

23 September 2023

```
double totalAmount = 0.0;

// Endless loop condition until a breaks out of the loop condition. Item selections
while (true) {
    // Prompt the user for the item selection. Notice the type of input is integer
    System.out.print("Enter the item number (1-" + items.length + ") or 0 to exit: ");
    int choice = scanner.nextInt();

    //Handle the user input value
    if (choice == 0) {
        break; // Break out of the loop
    } else if (choice < 1 || choice > items.length) {
        System.out.println("Invalid choice. Please try again.");
    } else {
        int selectedItemIndex = choice - 1;
```

Run: Main x

C:\Users\Administrator\jdk\openjdk-20.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2\lib\idea_rt.jar=62329:

Welcome to the Vending Machine!

Available items:

1. Soda - \$2.5

Enter the item number (1-1) or 0 to exit:

Pushed 1 commit to origin/FoodItems

Rollback failed
Try using 'Local History' dialog to perform revert manually.

```
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// Endless loop condition until a breaks out of the loop condition. Item selections
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Welcome to the Vending Machine!

Available items:

1. Soda - \$2.5

Enter the item number (1-1) or 0 to exit: 1

You selected: Soda

Price: \$2.5

Insert coins (e.g., 1.00 for \$1.00): \$

Rollback failed
Try using 'Local History' dialog to perform revert manually.

The screenshot shows an IDE window titled "VendingMachine - Main.java - Administrator". The "Commit" dialog is open, showing a list of files to be committed: `.gitignore`, `out\production\VendingMachine\idea`, `Category.class`, `Inventory.class`, `Main.class`, and `misc.xml`. The "Commit" button is highlighted. The background code is a Java program for a vending machine. It defines a `totalAmount` variable and a `while` loop for item selection. The program prompts the user to enter an item number (1-1) or 0 to exit. It also handles coin insertion and displays the price of the selected item.

```
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// Endless loop condition until a breaks out of the loop condition. Item selections
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    } else {
        int selectedItemIndex = choice - 1;
```

The Run console shows the following output:

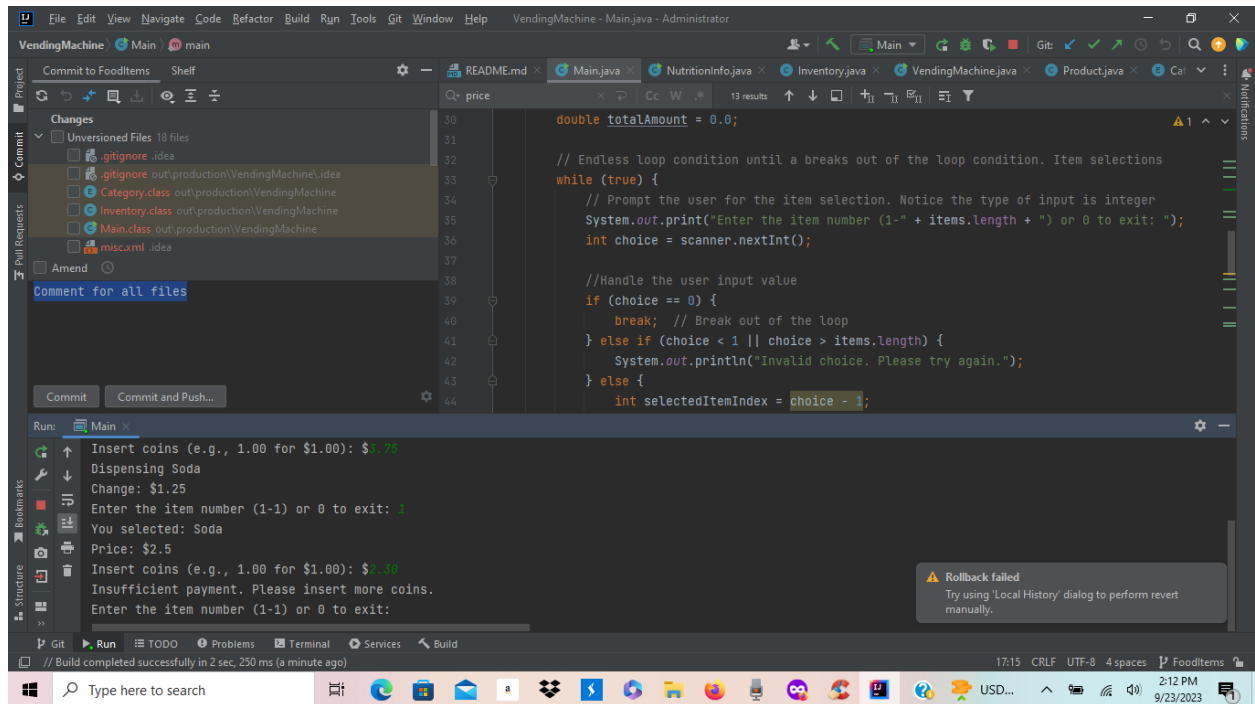
```
Available items:
1. Soda - $2.5
Enter the item number (1-1) or 0 to exit: 1
You selected: Soda
Price: $2.5
Insert coins (e.g., 1.00 for $1.00): $1.25
Dispensing Soda
Change: $1.25
Enter the item number (1-1) or 0 to exit: |
```

A "Rollback failed" message is displayed in the bottom right corner, suggesting the use of the "Local History" dialog to perform a revert manually.

The screenshot shows the same IDE window, but the "Commit" dialog is closed, and the program is running. The Run console shows the following output:

```
You selected: Soda
Price: $2.5
Insert coins (e.g., 1.00 for $1.00): $1.25
Dispensing Soda
Change: $1.25
Enter the item number (1-1) or 0 to exit: 1
You selected: Soda
Price: $2.5
Insert coins (e.g., 1.00 for $1.00): $
```

The background code is the same as in the previous screenshot, showing the `while` loop and the `selectedItemIndex` variable.



VendingMachine - Main.java - Administrator

Commit to FoodItems Shelf

Changes 1 file

- Unversioned Files 10 files
 - .gitignore out\production\VendingMachine\idea
 - Category.class out\production\VendingMachine
 - Inventory.class out\production\VendingMachine
 - Main.class out\production\VendingMachine
 - misc.xml out\production\VendingMachine

Comment for all files

Commit Commit and Push...

Run: Main

```

Enter the item number (1-1) or 0 to exit: 1
Thank you for using the Vending Machine!

Nutritional information per serving of Soda:
Fat: 0.00 g
Carbohydrates: 70.00 g
Protein: 0.00 g

Total amount earned: $2.5
  
```

Rollback failed
Try using 'Local History' dialog to perform revert manually.

17:15 CRLF UTF-8 4 spaces FoodItems

VendingMachine - Main.java - Administrator

Commit to FoodItems Shelf

Changes 1 file

- Unversioned Files 10 files
 - .gitignore out\production\VendingMachine\idea
 - Category.class out\production\VendingMachine
 - Inventory.class out\production\VendingMachine
 - Main.class out\production\VendingMachine
 - misc.xml out\production\VendingMachine

Comment for all files

Commit Commit and Push...

Run: Main

```

Nutritional information per serving of Soda:
Fat: 0.00 g
Carbohydrates: 70.00 g
Protein: 0.00 g

Total amount earned: $2.5

Process finished with exit code 0
  
```

Rollback failed
Try using 'Local History' dialog to perform revert manually.

17:15 CRLF UTF-8 4 spaces FoodItems