

FileEditSelectionViewGoRunTerminalHelp

← → java pro

EXPLOLER

OPEN EDITORS

Untitled-1

ExpenseTracker.java 2

JAVA PRO

.vscode

Enter.java

ExpenseTracker.java 2

NumberGuessingGame.java

OUTLINE

Expense

ExpenseTracker

TIMELINE

SONARLINT ISSUE LOCATIONS

JAVA PROJECTS

Untitled-1

ExpenseTracker.java 2

ExpenseTracker.java >...

1 import java.io.*;

2 import java.util.ArrayList;

3 import java.util.Scanner;

4

5 class Expense {

6 String description;

7 double amount;

8 String category;

9

10 public Expense(String description, double amount, String category) {

11 this.description = description;

12 this.amount = amount;

13 this.category = category;

14 }

15

16 public String toString() {

17 return "Description: " + description + ", Amount: " + amount + ", Category: " + category;

18 }

19 }

20

21 public class ExpenseTracker {

22 private static ArrayList<Expense> expenses = new ArrayList<>();

23

24 public static void main(String[] args) {

25 Scanner scanner = new Scanner(System.in);

Run | Debug

PROBLEMS 2

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

COMMENTS

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\galis\OneDrive\Desktop\java pro> & 'C:\Program Files\Eclipse Adoptium\jdk-17.0.8.101-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\galis\AppData\Roaming\Code\User\workspaceStorage\dbee6ff6ba183d2ca349e13dfb5b7c59\redhat.java\jdt_ws\java_pro_a0584b7b\bin' 'ExpenseTracker'

Expense Tracker Menu:

1. Add Expense

2. View Expenses

3. Exit

Enter your choice: 1

Run: demo

Run: Expenses...

Ln 92, Col 1 Spaces: 4 UTF-8 CRLF {} Java

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EXPENSETRACKER.JAVA > ...

26 boolean isRunning = true;

27

28 while (isRunning) {

29 System.out.println(x:"Expense Tracker Menu:");

30 System.out.println(x:"1. Add Expense");

31 System.out.println(x:"2. View Expenses");

32 System.out.println(x:"3. Exit");

33 System.out.print(s:"Enter your choice: ");

34

35 int choice = scanner.nextInt();

36 scanner.nextLine(); // consume the newline character

37

38 switch (choice) {

39 case 1:

40 addExpense(scanner);

41 break;

42 case 2:

43 viewExpenses();

44 break;

45 case 3:

46 isRunning = false;

47 saveExpensesToFile();

48 break;

49 default:

50 System.out.println(x:"Invalid choice. Please try again.");

51 }

PROBLEMS 2

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3. Exit

Enter your choice: 1

Enter Expense Description: Groceries

Enter Expense Amount: 50.0

Enter Expense Category: Food

Expense added successfully.

Expense Tracker Menu:

1. Add Expense

2. View Expenses

3. Exit

Enter your choice: 2

List of Expenses:

Description: Groceries, Amount: 50.0, Category: Food

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Run: demo

Run: Expens...

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2 0 0 SonarLint focus: overall code tabnine starter

ExpenseTracker.java > ...

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```
}  
}  
  
private static void addExpense(Scanner scanner) {  
    System.out.print(s:"Enter Expense Description: ");  
    String description = scanner.nextLine();  
  
    System.out.print(s:"Enter Expense Amount: ");  
    double amount = scanner.nextDouble();  
    scanner.nextLine();  
  
    System.out.print(s:"Enter Expense Category: ");  
    String category = scanner.nextLine();  
  
    expenses.add(new Expense(description, amount, category));  
    System.out.println(x:"Expense added successfully.");  
}  
  
private static void viewExpenses() {  
    if (expenses.isEmpty()) {  
        System.out.println(x:"No expenses recorded yet.");  
    } else {  
        System.out.println(x:"List of Expenses:");  
        for (Expense expense : expenses) {  
            System.out.println(expense);  
        }  
    }  
}
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

Ln 92, Col 1 Spaces: 4 UTF-8 CRLF {} Java

Run: demo

Run: Expens...

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Untitled-1 ExpenseTracker.java 2

- ExpenseTracker.java > ...
 - 76 `System.out.println(expense);`
 - 77 `}`
 - 78 `}`
 - 79 `}`
 - 80
 - 81 `private static void saveExpensesToFile() {`
 - 82 `try (PrintWriter writer = new PrintWriter(fileName:"expenses.txt")) {`
 - 83 `for (Expense expense : expenses) {`
 - 84 `writer.println(expense.description + "," + expense.amount + "," + expense.category);`
 - 85 `}`
 - 86 `System.out.println(x:"Expenses saved to file.");`
 - 87 `} catch (IOException e) {`
 - 88 `system.out.println("Error saving expenses to file: " + e.getMessage());`
 - 89 `}`
 - 90 `}`
 - 91 `}`
 - 92

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

Expense added successfully.
Expense Tracker Menu:
1. Add Expense
2. View Expenses
3. Exit
Enter your choice: 2
List of Expenses:
Description: Groceries, Amount: 50.0, Category: Food
Description: Gas, Amount: 30.0, Category: Transportation
Expense Tracker Menu:
1. Add Expense
2. View Expenses
3. Exit

Run: demo
Run: Expens...

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