import java.util.ArrayList;

import java.util.Scanner;

class Expense {

String description;

double amount;

public Expense(String description, double amount) {

this.description = description;

this.amount = amount;

}

}

class ExpenseTracker {

ArrayList<Expense> expenses = new ArrayList<>();

public void addExpense(String description, double amount) {

Expense newExpense = new Expense(description, amount);

expenses.add(newExpense);

System.out.println("Expense added successfully.");

}

public void displayExpenses() {

if (expenses.isEmpty()) {

System.out.println("No expenses to display.");

} else {

System.out.println("Expenses:");

for (Expense expense : expenses) {

System.out.println("Description: " + expense.description + ", Amount: $" + expense.amount);

}

}

}

}

class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

ExpenseTracker expenseTracker = new ExpenseTracker();

while (true) {

System.out.println("\nExpense Tracking Application");

System.out.println("1. Add Expense");

System.out.println("2. Display Expenses");

System.out.println("3. Exit");

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

int choice = scanner.nextInt();

switch (choice) {

case 1:

System.out.print("Enter expense description: ");

scanner.nextLine(); // Consume newline character

String description = scanner.nextLine();

System.out.print("Enter expense amount: $");

double amount = scanner.nextDouble();

expenseTracker.addExpense(description, amount);

break;

case 2:

expenseTracker.displayExpenses();

break;

case 3:

System.out.println("Exiting the application. Goodbye!");

System.exit(0);

default:

System.out.println("Invalid choice. Please enter a valid option.");

}

}

}

}