import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

class Product {

private String name;

private double price;

public Product(String name, double price) {

this.name = name;

this.price = price;

}

public String getName() {

return name;

}

public double getPrice() {

return price;

}

}

class ShoppingCart {

private List<Product> items = new ArrayList<>();

public void addItem(Product product) {

items.add(product);

}

public double calculateTotal() {

double total = 0.0;

for (Product item : items) {

total += item.getPrice();

}

return total;

}

}

public class SupermarketBillingSystem {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

ShoppingCart cart = new ShoppingCart();

while (true) {

System.out.println("Supermarket Billing System");

System.out.println("1. Add Product to Cart");

System.out.println("2. Calculate Total");

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

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

int choice = scanner.nextInt();

switch (choice) {

case 1:

System.out.print("Enter product name: ");

String productName = scanner.next();

System.out.print("Enter product price: ");

double productPrice = scanner.nextDouble();

Product product = new Product(productName, productPrice);

cart.addItem(product);

System.out.println(productName + " added to cart.");

break;

case 2:

double total = cart.calculateTotal();

System.out.println("Total: $" + total);

break;

case 3:

System.out.println("Thank you for shopping!");

System.exit(0);

default:

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

}

}

}

}