**const prompt = require('prompt-sync')();**

**class Leg {**

**constructor(city1, city2, cost) {**

**this.city1 = city1;**

**this.city2 = city2;**

**this.cost = cost;**

**}**

**}**

**class Route {**

**constructor() {**

**this.legs = [];**

**}**

**addLeg(leg) {**

**this.legs.push(leg);**

**}**

**calculateTotalCost() {**

**let totalCost = 0;**

**for (let leg of this.legs) {**

**totalCost += leg.cost;**

**}**

**return totalCost;**

**}**

**}**

**function main() {**

**const route = new Route();**

**const numLegs = parseInt(prompt("Enter the number of legs in the route:"));**

**for (let i = 0; i < numLegs; i++) {**

**const city1 = prompt(`Enter the name of first city of leg ${i + 1}:`);**

**const city2 = prompt(`Enter the name of second city of leg ${i + 1}:`);**

**const cost = parseInt(prompt(`Enter the cost for leg ${i + 1}:`));**

**const leg = new Leg(city1, city2, cost);**

**route.addLeg(leg);**

**}**

**const totalCost = route.calculateTotalCost();**

**console.log("Total cost of the trip:", totalCost);**

**}**

**main();**