import java.util.Scanner;  
public class Main {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
  
 // Create a new passenger  
 System.*out*.print("Enter passenger ID: ");  
 int id = sc.nextInt();  
 System.*out*.print("Enter passenger age: ");  
 int age = sc.nextInt();  
 sc.nextLine();  
 System.*out*.print("Enter passenger full name: ");  
 String fullName = sc.nextLine();  
 System.*out*.print("Is passenger disabled? (y/n) ");  
 boolean disabled = sc.nextLine().equalsIgnoreCase("y");  
 Passenger passenger = new Passenger(id, age, fullName, disabled);  
  
 // Create a new train with a locomotive and passenger cars  
 Train train = new Train();  
 System.*out*.print("Enter number of passenger cars: ");  
 int numberOfCars = sc.nextInt();  
 for (int i = 0; i < numberOfCars; i++) {  
 System.*out*.print("Enter passenger car ID: ");  
 int carId = sc.nextInt();  
 System.*out*.print("Enter passenger car carrying capacity: ");  
 int carCapacity = sc.nextInt();  
 System.*out*.print("Enter passenger car number of seats: ");  
 int carSeats = sc.nextInt();  
 train.addVehicle(new PassengerCar(carId, carCapacity, carSeats));  
 }  
 System.*out*.print("Enter locomotive ID: ");  
 int locoId = sc.nextInt();  
 System.*out*.print("Enter locomotive carrying capacity: ");  
 int locoCapacity = sc.nextInt();  
 System.*out*.print("Enter locomotive horsepower: ");  
 int locoHorsepower = sc.nextInt();  
 train.addVehicle(new Locomotive(locoId, locoCapacity, locoHorsepower));  
 }  
}

class Locomotive extends Vehicle {  
 private int horsepower;  
  
 public Locomotive(int id, int carryingCapacity, int horsepower) {  
 super(id, carryingCapacity);  
 this.horsepower = horsepower;  
 }  
  
 public int getHorsepower() {  
 return horsepower;  
 }  
}

class Passenger {  
 private int id;  
 private int age;  
 private String fullName;  
 private boolean disabled;  
  
 public Passenger(int id, int age, String fullName, boolean disabled) {  
 this.id = id;  
 this.age = age;  
 this.fullName = fullName;  
 this.disabled = disabled;  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public int getAge() {  
 return age;  
 }  
  
 public String getFullName() {  
 return fullName;  
 }  
  
 public boolean isDisabled() {  
 return disabled;  
 }  
}

class PassengerCar extends Vehicle {  
 private int numberOfSeats;  
  
 public PassengerCar(int id, int carryingCapacity, int numberOfSeats) {  
 super(id, carryingCapacity);  
 this.numberOfSeats = numberOfSeats;  
 }  
  
 public int getNumberOfSeats() {  
 return numberOfSeats;  
 }  
}

import java.util.ArrayList;  
import java.util.List;  
class Train {  
 private List<Vehicle> vehicles;  
  
 public Train() {  
 vehicles = new ArrayList<>();  
 }  
  
 public void addVehicle(Vehicle v) {  
 vehicles.add(v);  
 }  
  
 public int getTotalCarryingCapacity() {  
 int capacity = 0;  
 for (Vehicle v : vehicles) {  
 capacity += v.getCarryingCapacity();  
 }  
 return capacity;  
 }  
}

class Vehicle {  
 private int id;  
 private int carryingCapacity;  
  
 public Vehicle(int id, int carryingCapacity) {  
 this.id = id;  
 this.carryingCapacity = carryingCapacity;  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public int getCarryingCapacity() {  
 return carryingCapacity;  
 }  
}