Task – 3

Trip Cost Calculator

You are required to design a Python program that helps users calculate the **total cost of a trip**, including hotel stay, flight charges, car rental, and additional spending money.

The program must be modular and use **separate functions** for each cost component.

Task 1: Hotel Cost Function

Create a function named hotel_cost that:

- Takes **number of nights** as input

- Calculates the total hotel cost

- Hotel cost is **$140 per night**

- Returns the total hotel cost

Task 2: Flight Cost Function

Create a function named plane_ride_cost that:

- Takes a **city name (string)** as input

- Returns the round-trip flight cost based on the destination

Destination Cost ($)

Destination	Cost ($)
Charlotte	183
Tampa	220
Pittsburgh	222
Los Angeles	475

Task 3: Car Rental Cost Function

Create a function named rental_car_cost that:

- Takes **number of rental days** as input

- Calculates the base rental cost at **$40 per day**

- Applies discounts as follows:

  - If rental duration is **7 or more days**, apply a **$50 discount**

  - Else if rental duration is **3 or more days**, apply a **$20 discount**

  - Only one discount can be applied

- Returns the final rental cost

Task 4: Trip Cost Function

Create a function named trip_cost that:

- Takes **city** and **days** as input

- Calculates and returns the **total trip cost** by summing:

  - Hotel cost

  - Plane ride cost

  - Rental car cost

Task 5: Enhanced Trip Cost Calculation

Modify the trip_cost function to:

- Accept a third argument called spending_money

- Add spending_money to the total trip cost

- Return the final amount