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Practical Record Note

Name : KARTHIKEYAN D

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Subject code/name : Laboratory

Programme :

Certified that this is a bonafide record of work done by

KARTHIKEYAN D of _____

Aim:

Project Module.

Program:

CTP28132.py

```
# Import necessary libraries
from datetime import datetime

# Define the main TravelPlanner class
class TravelPlanner:
    def __init__(self):
        self.destinations = []
        self.itineraries = {}
        self.bookings = {}

    def add_destination(self):
        destination = input("Enter your travel destination: ")
        if destination:
            self.destinations.append(destination)
            print(f"Destination **{destination}** added.")
        else:
            print("No destination entered. Please try again.")

    def plan_itinerary(self):
        destination = input("Enter the destination for your itinerary: ")
        if destination in self.destinations:
            itinerary = []
            print("Enter the activities for your itinerary (type 'done' when
finished):")
            while True:
                activity = input("> ")
                if activity.lower() == 'done':
                    break
                itinerary.append(activity)
            self.itineraries[destination] = itinerary
            print(f"Itinerary for **{destination}** planned.")
        else:
            print("Destination not found. Please add it first.")

    def add_booking(self):
        destination = input("Enter the destination for your booking: ")
        if destination in self.destinations:
            hotel = input("Enter your hotel name: ")
            flight = input("Enter your flight number: ")
            self.bookings[destination] = {'Hotel': hotel, 'Flight': flight}
            print(f"Booking for **{destination}** added.")
        else:
            print("Destination not found. Please add it first.")

    def get_trip_details(self):
        destination = input("Enter the destination to retrieve trip details: ")
        if destination in self.destinations:
            details = {
                'Destination': destination,
                'Itinerary': self.itineraries.get(destination, 'No itinerary
planned.'),
                'Booking': self.bookings.get(destination, 'No bookings made.')
            }
            return details
        else:
            print("Destination not found.")
            return None
```

```
# Example usage
if __name__ == "__main__":
    # Create an instance of TravelPlanner
    my_trip = TravelPlanner()

    while True:
        print("\nTravel Planner Menu:")
        print("1. Add a destination")
        print("2. Plan an itinerary")
        print("3. Add a booking")
        print("4. Get trip details")
        print("5. Exit")
        choice = input("Choose an option: ")

        if choice == '1':
            my_trip.add_destination()
        elif choice == '2':
            my_trip.plan_itinerary()
        elif choice == '3':
            my_trip.add_booking()
        elif choice == '4':
            trip_details = my_trip.get_trip_details()
            if trip_details:
                print(f"\nTrip Details for **{trip_details['Destination']}**:")
                print(f"Itinerary: {trip_details['Itinerary']}")
                print(f"Booking: {trip_details['Booking']}")
        elif choice == '5':
            print("Thank you for using Travel Planner. Have a great trip!")
            break
        else:
            print("Invalid option. Please try again.")
```

Output:

Test case - 1
User Output
Hello World
Hello World

Result:

Thus the above program is executed successfully and the output has been verified