

```
Import java.util.*;
```

```
Class Destination {
```

```
    String name;
```

```
    String startDate;
```

```
    String endDate;
```

```
    String preferences;
```

```
    Double estimatedCost;
```

```
    Destination(String name, String startDate, String endDate, String preferences, double  
estimatedCost) {
```

```
        This.name = name;
```

```
        This.startDate = startDate;
```

```
        This.endDate = endDate;
```

```
        This.preferences = preferences;
```

```
        This.estimatedCost = estimatedCost;
```

```
    }
```

```
}
```

```
Class Itinerary {
```

```
    List<Destination> destinations = new ArrayList<>();
```

```
    Double totalBudget;
```

```
    Void addDestination(String name, String startDate, String endDate, String preferences,  
double estimatedCost) {
```

```
        Destinations.add(new Destination(name, startDate, endDate, preferences,  
estimatedCost));
```

```
totalBudget += estimatedCost;
}
```

```
Void displayItinerary() {
    System.out.println("\nYour Travel Itinerary:");
    For (Destination destination : destinations) {
        System.out.println("Destination: " + destination.name);
        System.out.println("Dates: " + destination.startDate + " to " + destination.endDate);
        System.out.println("Preferences: " + destination.preferences);
        System.out.println("Estimated Cost: " + destination.estimatedCost);
        System.out.println();
    }
    System.out.println("Total Budget: " + totalBudget);
}
}
```

```
Public class TravellItineraryPlanner {
    Public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        Itinerary itinerary = new Itinerary();

        System.out.println("Welcome to the Travel Itinerary Planner!");
        While (true) {
            System.out.print("Enter destination name (or type 'done' to finish): ");
            String name = scanner.nextLine();
            If (name.equalsIgnoreCase("done")) {
```

```

        Break;
    }
    System.out.print("Enter start date (YYYY-MM-DD): ");
    String startDate = scanner.nextLine();
    System.out.print("Enter end date (YYYY-MM-DD): ");
    String endDate = scanner.nextLine();
    System.out.print("Enter preferences (e.g., sightseeing, food, adventure): ");
    String preferences = scanner.nextLine();
    System.out.print("Enter estimated cost for this destination: ");
    Double estimatedCost = scanner.nextDouble();
    Scanner.nextLine(); // consume newline

    Itinerary.addDestination(name, startDate, endDate, preferences, estimatedCost);
}

Itinerary.displayItinerary();

System.out.println("(For maps and weather info, integrate with APIs like Google Maps
and OpenWeatherMap)");
}
}

```