# Haris Ali

# FA24-BBA-068

# Assignment #1

# Program 1:

# Program 2:

# Program 3:

# Program 4:

# Activity1:

# Q.1: How can you break down the trip planning process into smaller, manageable tasks? (Decomposition)

Decomposition means breaking a big problem into smaller pieces.

For a Murree trip:

1. Travel Arrangements – Decide transport (car, bus, train, or rental).

2. Accommodation – Book hotel/guest house in Murree.

3. Budgeting – Estimate costs (travel, hotel, food, activities).

4. Packing – Clothes, essentials, medicines, warm wear.

5. Food & Dining – Decide on restaurants or snacks to carry.

6. Activities & Sightseeing – Patriata (New Murree), Mall Road, Kashmir Point, Ayubia, etc.

7. Safety & Backup Plan – Emergency contacts, first aid, cash/online payment option.

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Q.2: What patterns can you identify from your past travel experiences? (Pattern Recognition)

Pattern recognition means finding similarities with past trips.

• Transport: Every trip needs transport booking/arrangement.

• Stay: Hotel booking is always necessary.

• Weather Check: Always check weather before leaving (especially for hill stations).

• Budget Issues: Overspending usually happens if not planned.

• Unexpected Delays: Traffic jams or late departures are common in Murree.

• Entertainment: Sightseeing + shopping + food are common patterns in all trips.

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Q.3: What are the essential elements to consider when planning a trip? (Abstraction)

Abstraction means focusing only on important details.

For Murree trip, essentials are:

• Where to go? → Murree

• When? → Weekend (2 days, 1 night)

• How to go? → Private car or bus

• Where to stay? → Hotel/Guest house in Murree

• What to do? → Sightseeing, shopping at Mall Road, chairlift ride, hiking

• Budget needed? → Travel (fuel/bus ticket), stay, food, shopping

• What to pack? → Warm clothes, travel essentials, camera/phone

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Q.4: How can you create a step-by-step plan to ensure a successful trip? (Algorithm Design)

Algorithm design means writing a clear sequence of steps.

Step-by-Step Trip Plan:

1. Decide dates for the weekend.

2. Check weather forecast for Murree.

3. Book transport (car rental / bus tickets).

4. Reserve a hotel room in advance.

5. Estimate budget (travel, food, stay, shopping).

6. Make a packing list (warm clothes, medicines, snacks).

7. Leave early morning on Day 1 to avoid traffic.

8. On Day 1 → Visit Mall Road, Kashmir Point, enjoy dinner.

9. On Day 2 → Visit Patriata, Ayubia, chairlift/hiking, then lunch.

10. Return home in the evening of Day 2.

11. Keep some extra money and first aid for emergencies.