

## DSA Plan:

### Day 1-15 - Arrays & Strings

#### Day 1-5: Arrays

- **Hours/Day:** 3-4 hours
- **Topics:** Basics, Two Pointers, Sliding Window, Sorting
- **Resources:**
  - **Video:** Apna College's Playlist on Arrays
  - **Article:** GeeksforGeeks Arrays section

#### Practice Questions (mix of platforms):

- Easy: 4 questions/day (2 from LeetCode, 1 from Hackerrank, 1 from GFG)
- Medium: 2 questions/day (1 from LeetCode, 1 from GFG)
- Hard: 1 question every 2 days (rotate between LeetCode, Hackerrank, and GFG)
- **Total Questions:** 30-35

**Revision:** Revise solved problems and concepts on Day 5 (1-2 hours).

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#### Day 6-10: Strings

- **Hours/Day:** 3-4 hours
- **Topics:** Basics, Pattern Matching, String Manipulation
- **Resources:**
  - **Video:** Apna College's Playlist on Strings
  - **Article:** GeeksforGeeks Strings section

#### Practice Questions (mix of platforms):

- Easy: 4 questions/day (2 from LeetCode, 1 from Hackerrank, 1 from GFG)
- Medium: 2 questions/day (1 from LeetCode, 1 from GFG)
- Hard: 1 question every 2 days (rotate between LeetCode, Hackerrank, and GFG)
- **Total Questions:** 30-35

**Revision:** Revise solved problems and concepts on Day 10 (1-2 hours).

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## Day 11-15: Mixed Practice & Revision

- **Hours/Day:** 4-5 hours
- **Activities:**
  - Mixed practice of Arrays & Strings
  - Mock tests on LeetCode, Hackerrank, and GFG
  - Time-bound practice

### Resources:

- LeetCode Weekly Contest Questions
- Hackerrank and GFG coding challenges
- InterviewBit Arrays & Strings

**Revision:** Day 15 – Revise all solved problems, concepts, and review mistakes (2-3 hours).

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## Plan for the Next Cycle (Day 16-30)

1. **Day 16-20:** Linked Lists & Stacks
    - **Practice:** LeetCode, Hackerrank, GFG
    - **Video:** Apna College's Linked Lists & Stacks playlist
  2. **Day 21-25:** Trees & Graphs
    - **Practice:** LeetCode, Hackerrank, GFG
    - **Video:** Apna College's Trees & Graphs playlist
  3. **Day 26-30:** Dynamic Programming (DP)
    - **Practice:** LeetCode, Hackerrank, GFG
    - **Video:** Apna College's DP playlist
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## General Tips:

**Daily Schedule:**

- **Morning:** Learn new concepts (1.5 hours)
- **Afternoon:** Practice easy/medium questions (1.5 hours)
- **Evening:** Hard questions/revision (1-2 hours)
- **Weekend:** Complete pending questions or revision.

**Resources for Revision:** Maintain a notebook or digital notes for common mistakes and tricky problems.

**Practice Platforms:** Make sure to use **LeetCode**, **Hackerrank**, and **GFG** consistently for variety in problem-solving approaches.

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