

📖 WEEKLY BATCH GENERATION — QUICK START GUIDE

Version: 8.0

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Status: QUICK START FOR WEEKLY GENERATION

Purpose: Step-by-step guide to use the weekly batch generation prompt

⌚ WHAT IS THIS?

The **WEEKLY_BATCH_GENERATION_PROMPT_v8.md** is a specialized prompt that helps you generate **all weekly files automatically**:

- **5 Instructional files** (one per day)
 - **6 Support files** (guidelines, roadmaps, etc.)
 - **11 total files per week**
 - One file at a time (ready to download)
 - As markdown (.md) files
-

🚀 5-STEP QUICK START

Step 1: Prepare Your Files (5 min)

- Open WEEKLY_BATCH_GENERATION_PROMPT_v8.md
- Copy the entire prompt (marked with triple backticks)
- Decide which week to generate (1-16, or 4.5, 5.5, 13)
- Find that week's topics in COMPLETE_SYLLABUS_WEEKS_1_TO_16_v8_FINAL.md

Step 2: Setup New AI Chat (2 min)

- Open Claude.ai, ChatGPT, or your AI platform
- Start a NEW chat session
- Have ready: SYSTEM_PROMPT_v8_FOR_AI_CHAT.md
- Have ready: 8 master files to attach

Step 3: Set Context (3 min)

- Paste the AI SYSTEM_PROMPT_v8_FOR_AI_CHAT.md (first message)
- Wait for AI acknowledgment
- Attach all 8 master files
- Wait for confirmation AI has read them

Step 4: Request Weekly Generation (1 min)

- Copy WEEKLY_BATCH_GENERATION_PROMPT_v8.md

- with your week number (e.g., 1, 4.5, 13)
- Replace [Topic_Name] with actual topics from syllabus
- Paste into chat
- Send request

Step 5: Download Files One-by-One (90-120 min)

- Day 1 file
 - Download the markdown file
 - Day 2 file
 - Download the markdown file
 - Continue for all 11 files
 - Save all files to your folder structure
-

EXAMPLE REQUESTS

Example 1: Week 1 Generation

Copy and paste this into your AI chat:

```
# 🎓 DSA MASTER CURRICULUM v8.0 – WEEKLY BATCH GENERATION REQUEST
```

```
## 🔔 CURRENT WEEK TARGET
```

```
**Generation Request:** Complete Week 1 file set
- **Week Number:** 1
- **Duration:** 5 days
- **Total Files:** 11 files per week
```

```
## 📁 DELIVERABLES REQUIRED
```

```
### **PART 1: INSTRUCTIONAL FILES (5 files)**
```

Generate the following 5 instructional files for Week 1:

```
**File 1:** Week_1_Day_1_RAM_Model_And_Pointers_Instructional.md
[All requirements as in the full prompt...]
```

```
**File 2:** Week_1_Day_2_Asymptotic_Analysis_Big_O_Instructional.md
[All requirements...]
```

```
**File 3:** Week_1_Day_3_Space_Complexity_Instructional.md
[All requirements...]
```

```
**File 4:** Week_1_Day_4_Recursion_I_Instructional.md
[All requirements...]
```

```
**File 5:** Week_1_Day_5_Recursion_II_Instructional.md
[All requirements...]
```

```
### **PART 2: SUPPORT FILES (6 files)**
```

Generate the following 6 support files for Week 1:

```
**Support File 1:** Week_1_Guidelines.md  
**Support File 2:** Week_1_Summary_Key_Concepts.md  
**Support File 3:** Week_1_Interview_QA_Reference.md  
**Support File 4:** Week_1_Problem_Solving_Roadmap.md  
**Support File 5:** Week_1_Daily_Progress_Checklist.md
```

[Include all specifications from full prompt...]

Deliver one file at a time, as downloadable .md files.

Example 2: Week 4.5 Generation (Tier 1)

Replace with:

```
**Generation Request:** Complete Week 4.5 file set (Tier 1 Critical Patterns)  
- **Week Number:** 4.5  
- **Duration:** 5 days  
- **Total Files:** 11 files per week  
  
**File 1:** Week_4_5_Day_1_Hash_Map_Hash_Set_Instructional.md  
**File 2:** Week_4_5_Day_2_Monotonic_Stack_Instructional.md  
**File 3:** Week_4_5_Day_3_Merge_Operations_And_Intervals_Instructional.md  
**File 4:** Week_4_5_Day_4_Partition_And_Cyclic_Sort_Instructional.md  
**File 5:** Week_4_5_Day_5_Kadane_And_Fast_Slow_Pointers_Instructional.md
```

[Support files...]

Example 3: Week 13 Generation (Tier 3 - 7 Days)

Replace with:

```
**Generation Request:** Complete Week 13 file set (Tier 3 Advanced)  
- **Week Number:** 13  
- **Duration:** 6-7 days  
- **Total Files:** 13 files per week  
  
**File 1:** Week_13_Day_1_Fast_And_Slow_Pointers_Extended_Instructional.md  
**File 2:** Week_13_Day_2_Reverse_And_Two_Pointers_Instructional.md  
**File 3:** Week_13_Day_3_Matrix_Traversal_Advanced_Instructional.md  
**File 4:** Week_13_Day_4_Matrix_Exponentiation_Instructional.md  
**File 5:** Week_13_Day_5_Union_Find_Advanced_Instructional.md  
**File 6:** Week_13_Day_6_Encoding_And_Compression_Instructional.md  
**File 7:** Week_13_Day_7_Advanced_Optimization_Instructional.md
```

[Support files...]

📁 FILE DOWNLOAD WORKFLOW

As Files Are Generated:

AI: File 1 Complete

```
# Week_1_Day_1_RAM_Model_And_Pointers_Instructional.md
**Status:**  READY FOR DOWNLOAD
[Complete markdown file here]
```

YOU: Click download (or copy-paste)

SAVE TO: DSA_Master_Curriculum_v8/WEEKS/Week_1/Instructional_Files/

AI: File 2 Complete

```
# Week_1_Day_2_Asymptotic_Analysis_Big_O_Instructional.md
[Complete markdown file here]
```

YOU: Click download

SAVE TO: DSA_Master_Curriculum_v8/WEEKS/Week_1/Instructional_Files/

[Continue for all 5 instructional files...]

[Then 6 support files...]

⌚ TIMING BREAKDOWN

Per Week Generation Time:

Task	Time	Files
Setup chat	5 min	-
Paste prompt	2 min	-
Generate File 1	10-15 min	1
Download File 1	1 min	-
Generate File 2	10-15 min	1
Download File 2	1 min	-
Generate File 3	10-15 min	1
Download File 3	1 min	-

Task	Time	Files
Generate File 4	10-15 min	1
Download File 4	1 min	-
Generate File 5	10-15 min	1
Download File 5	1 min	-
Generate Support 1	8-12 min	1
Download Support 1	1 min	-
Generate Support 2	8-12 min	1
Download Support 2	1 min	-
Generate Support 3	10-15 min	1
Download Support 3	1 min	-
Generate Support 4	8-10 min	1
Download Support 4	1 min	-
Generate Support 5	6-8 min	1
Download Support 5	1 min	-
Generate Support 6	6-8 min	1
Download Support 6	1 min	-
Total Per Week	~90-130 min	11 files

📁 FOLDER STRUCTURE FOR DOWNLOADS

Create this structure before starting:

```
DSA_Master_Curriculum_v8/
└── WEEKS/
    ├── Week_1/
        ├── Instructional_Files/
            ├── Week_1_Day_1_RAM_Model_And_Pointers_Instructional.md
            ├── Week_1_Day_2_Asymptotic_Analysis_Big_O_Instructional.md
            ├── Week_1_Day_3_Space_Complexity_Instructional.md
            ├── Week_1_Day_4_Recursion_I_Instructional.md
            └── Week_1_Day_5_Recursion_II_Instructional.md

        └── Support_Files/
            ├── Week_1_Guidelines.md
            ├── Week_1_Summary_Key_Concepts.md
            ├── Week_1_Interview_QA_Reference.md
            ├── Week_1_Problem_Solving_Roadmap.md
            └── Week_1_Daily_Progress_Checklist.md
```

```
|  
|   └── Week_2/  
|       ├── Instructional_Files/ [5 files]  
|       └── Support_Files/ [5 files]
```

[Continue for all 16 weeks...]

QUALITY VERIFICATION

For each instructional file received, verify:

STRUCTURE (11 sections):

- The Why (600-1000 words)
- The What (600-1000 words)
- The How (600-1000 words)
- Visualization (600-1000 words)
- Critical Analysis (400-600 words)
- Real Systems (500-800 words)
- Concept Crossovers (300-400 words)
- Mathematical (300-500 words)
- Algorithmic Intuition (500-800 words)
- Knowledge Check (200-300 words)
- Retention Hook (900-1100 words)

5 Cognitive Lenses (all 5):

- Computational
- Psychological
- Design Trade-off
- AI/ML Analogy
- Historical Context

SUPPLEMENTARY:

- Practice Problems (8+)
- Interview Q&A (6+)
- Misconceptions (3-5)
- Advanced Concepts (3-5)
- Resources (3-5)

QUALITY:

- Word count: 5,500-10,500 ✓
- Grammar: Perfect ✓
- Tone: Professional ✓
- Real systems: 5-10+ ✓

WEEKLY GENERATION SCHEDULE (All 16 Weeks)

Week	Duration	Files	Timeline
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Week	Duration	Files	Timeline
1	5 days	11	~2 hours
2	5 days	11	~2 hours
3	5 days	11	~2 hours
4	5 days	11	~2 hours
4.5	5 days	11	~2 hours
5	5 days	11	~2 hours
5.5	5 days	11	~2 hours
6	5 days	11	~2 hours
7	5 days	11	~2 hours
8	5 days	11	~2 hours
9	5 days	11	~2 hours
10	5 days	11	~2 hours
11	5 days	11	~2 hours
12	5 days	11	~2 hours
13	6-7 days	13	~2.5 hours
14	5 days	11	~2 hours
15	5 days	11	~2 hours
16	5 days	11	~2 hours
TOTAL	80+ days	176+ files	~36-40 hours

✍ RECOMMENDED WORKFLOW

Option 1: One Week at a Time

Monday: Setup Week 1 chat
 Tuesday: Generate Week 1 (2 hours)
 Wednesday: Generate Week 2 (2 hours)
 Thursday: Generate Week 3 (2 hours)
 Friday: Generate Week 4 (2 hours)

Repeat for all 16 weeks
 Total: ~8-9 weeks at 2 weeks/week = 4-5 months

Option 2: Multiple Weeks Parallel

Open 4 concurrent chat windows

- Window 1: Week 1 & 2
- Window 2: Week 3 & 4
- Window 3: Week 5 & 6
- Window 4: Week 7 & 8

Generate in parallel

Total: ~2-3 weeks

Option 3: Full-Time Generation

Dedicate full day to generation

Generate 2-3 weeks per day

Total: ~6-8 days to complete all 16 weeks

MASTER CHECKLIST

Before starting weekly generation:

- Downloaded WEEKLY_BATCH_GENERATION_PROMPT_v8.md
- Downloaded SYSTEM_PROMPT_v8_FOR_AI_CHAT.md
- Downloaded all 8 master files
- Created folder structure (16 weeks)
- Decided generation pace (1 week/parallel/full-time)
- Identified first week to generate
- Read full COMPLETE_SYLLABUS_WEEKS_1_TO_16_v8_FINAL.md
- Understood 11-section framework
- Understood 5 cognitive lenses
- Understood quality standards
- Ready to start first week generation

YOU'RE READY!

You now have: Complete weekly generation prompt

- Example requests for different weeks
- File download workflow
- Timing estimates
- Quality verification
- Recommended workflows

Next step: Start Week 1 generation!

1. Open new AI chat
2. Paste SYSTEM_PROMPT_v8_FOR_AI_CHAT.md

3. Attach 8 master files
4. Paste WEEKLY_BATCH_GENERATION_PROMPT_v8.md (with Week 1)
5. Start receiving files one by one
6. Download each as .md
7. Save to folder structure
8. Repeat for Week 2, 3, etc.

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