Programming Resources - Week 1 | October 2021

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1. Engagement Activities on CodeChef

SnackDown 2021: We are pleased to invite student programmers to SnackDown 2021. SnackDown is CodeChef's biggest Annual Programming Challenge and one of the most popular global events as well. Registrations are now open. So, join using this link and get a chance to win prizes worth $50,000.

- All students clearing the first round will get a participation certificate.
- All students, clearing the elimination round, can proudly display this fact in their profile to catch the attention of the recruiter.
- Top 500 programmers will get a SnackDown special t-shirt.
- Register here

SnackDown Practice Contests are ready - Beginners level: Practice Contests - Beginners

SnackDown Practice Contest are ready for - Advanced level: Practice Contest - Advanced

2. Weekend With Champions: Aneesh Hiregange, Google SDE & CodeChef User

In this series, Aneesh talks about how he started with competitive programming in school, and how he loved it. He also spills the beans as to how Google Recruiter approached him with the interview offer. A very inspiring video for all college students who want to get started with programming.

Watch and learn from this series

3. Resources for Beginners

- **Your First CodeChef Problem: FLOW001:** In case you have not yet solved it, try it first. Editorial for this problem is explained on the page itself. Link: FLOW001 Problem

- **Ada Augusta Contest:** There are 14 simple coding problems in this contest. Try solving them: Participate Here

  And if you need help while solving the Ada Augusta Problems, then watch the video editorials here:

  Learning Videos for beginners in programming

  - **Introduction To programming:**

    - This video series explains the basic terminologies and understanding required to start with programming

    - This video series explains problem-solving

- **SnackDown 2021 Preparation Series for Beginner and Advanced Level:**
  This series will help you to prepare and ace the contest and get you to learn the essential topics in DSA, Searching, Sorting and much more.
  Watch & Learn from this series

- **Bellman Ford Algo:** In this video, you will learn about Bellman Ford Algo's concept.
  Learn Here

- **CodeChef Lockout:** Here you can see how two coding competitors compete with each other in an intense coding battle of speed.
  Watch Here

- **Master Recursion in 5 steps:** This series will help you to solve tough problems involving dynamic programming and also to understand tough data structures easily.
  Learn Master Recursion

- **Mastering Linked List:** In this series, you will learn the simplest method of storing data without having to pre-allocate memory.
  Watch Here

4. Resources for Advanced Programmers

Learning Videos for Final Year Students

- **DSA for Placements:**

  In the DSA For Placement series, you will learn a few of the most important topics you need to know to ace the interviews. In this video, we will discuss Introduction to Trees 3.
  Learn from this video

- **Projects or Internships during Engineering:**

  This video will help you how to put your first foot forward in the industry.
  Watch Here

5. Rated Contests Invitation

Students can feel the heat of a real coding contest with competition from the outside world and some of the best coders of the globe.

1. **Starters 14 (29th September, 8 PM - 11 PM):**
   A contest even for absolute beginners in competitive programming.
   Participate Here & "Set Reminder" to Compete

2. **October Long Challenge (1st October - 11th October, 3 PM onwards):**
   10 days of intense programming, learning new concepts, and best of all, competing with coders across the world! The October Long Challenge, open to all and rated for Division 3 coders is the perfect platform to improve one's skills and ratings!
   Participate Here & 'Set Reminder' to Compete