

# TCS Codevita Sheet

Link to Register: <https://codevita.tcsapps.com/>

## Format

- Pre-Qualifier
- Qualifier
- Finale

(The entire competition focuses on your problem solving skills so it is imperative that you are good at DSA and Problem Solving)

## Preparation

**Step 1:** Master any one programming language, suggestions C++/Java

**Resources:** tutorialspoint, javatpoint.com, w3schools, programiz

**Step 2:** Master Library of the Language

**Resources:**

STL-> [https://www.youtube.com/watch?v=RRVYpIET\\_RU](https://www.youtube.com/watch?v=RRVYpIET_RU)

Collections-> [https://www.youtube.com/watch?v=VE\\_AAUXtUCY](https://www.youtube.com/watch?v=VE_AAUXtUCY)

**Step 3:** Jump Into DSA

## Important Topics

Arrays	Strings	Math + Number Th	Greedy	Searching	Sorting
Stack	Queue	Map	LinkedList	2 Pointers	Sliding Windows
DP	Trees	Graph	Recursion	Backtracking	Bits

## Resources:

**PYQS:** <https://www.codechef.com/practice/tcs-interview-questions>

For Concepts/Theory:

[https://www.youtube.com/@abdul\\_bari](https://www.youtube.com/@abdul_bari) (Graphs + Trees)

[https://www.youtube.com/playlist?list=PLrmLmBdmllpsHaNTPP\\_jHHDx\\_os9ltYXr](https://www.youtube.com/playlist?list=PLrmLmBdmllpsHaNTPP_jHHDx_os9ltYXr) (Dynamic Programming)

[https://www.youtube.com/playlist?list=PLdo5W4Nhv31bbKJzrsKfMpo\\_grxuLI8LU](https://www.youtube.com/playlist?list=PLdo5W4Nhv31bbKJzrsKfMpo_grxuLI8LU) (Basic DS)

For Problems, Understanding:

<https://www.youtube.com/playlist?list=PLgUwDviBlf0oE3gA41TKO2H5bHpPd7fzn> (Graphs)

<https://www.youtube.com/watch?v=tyB0ztf0DNY&list=PLgUwDviBlf0pwFf-BnpkXxs0Ra0eU2sJY> (DP)

[https://www.youtube.com/playlist?list=PL\\_z\\_8CaSLPWekqhdCPmFohncHwz8TY2Go](https://www.youtube.com/playlist?list=PL_z_8CaSLPWekqhdCPmFohncHwz8TY2Go) (DP)

<https://www.geeksforgeeks.org/top-50-tree-coding-problems-for-interviews/> (Tree)

<https://www.youtube.com/playlist?list=PLgUwDviBlf0rAuz8tVcM0AymmhTRsfaLU> (LinkedList)

<https://www.youtube.com/playlist?list=PLgUwDviBlf0rnqh8QsJaHyIX7KUiaPUv7> (Bits)

Solve Problems from **LC** + CF

On Leetcode, Solve 3-5 Easy + 3-5 Medium + 2-4 Hard (Minimum)

On Codeforces, Solve till Div2.C/D

Previous Questions

<https://prepinsta.com/tcs-codevita/practice-questions-with-answers/>

<https://www.faceprep.in/tcs/tcs-codevita-questions/>

<https://www.geeksforgeeks.org/tcs-codevita-9-pre-qualifier-round-questions/>