

Tutorial 1

1st Tutorial List by CodeShows:

Compulsory for all years:

Step 1: You must use Linux (Keep backup before installing the ubuntu)->

<https://www.youtube.com/watch?v=TkKSyGjOdeY>

Step 2: Setup coding environment->

<https://blog.codingblocks.com/.../setting-up-sublime-text-for...>

[A] For 1st year students:

Following tasks to be done:

C tutorial-> Deadline: 22 october

1: Practise on hacker rank-> <https://www.hackerrank.com/domains/c>

2: Book -> Let us C (yashwant kanitkar) [Available online as pdf also]

3: Youtube tutorial: (Compulsory*) (58 videos complete/ Daily) videos

<https://www.youtube.com/playlist...>

=> Make account and Practise on coding sites:

1. Hacker rank

2. Codechef

3. Codeforces

==> Start practice (Beginner) section on all theses sites.

Your coding accounts/profiles will be checked, and there will be test on 26 october and filtering will be done.

[B] For 2nd year students:

(Compulsory*) - All 1st year course above should be completed by you.

==> Complete Data structure and algo tutorial:

(Learning Resources- 8 topics) (Compulsory*) -

<https://www.codechef.com/certification/prepare>

==> HackerEarth data structure tutorial: (Compulsory*)-

-> <https://www.hackerearth.com/.../data-str.../arrays/1-d/tutorial/>

-> You have to complete the tutorial

-> Practise problems in this link as much as you can (at least 5 questions on all topics)

Resources:

Books:

1. Data structure and algo (made easy)- Narsimha karumanchi

2. Introduction to Algorithms - Thomas H. Cormen

Youtube links:

(Compulsory*) - (Narasimha karumanchi book video)

https://www.youtube.com/watch?v=YWnBbNj_G-U

==> Practise on coding sites:

1. Hacker rank

2. Codechef

3. Codeforces

And it is compulsory to participate in all contests on these sites from today onwards.

Your coding accounts/profiles will be checked, and there will be test on 26 october and filtering will be done.

In next Step we will be diving into your specific field of interest with coding so be prepared.

[C] For 3rd year students:

==> (Compulsory*) - All 1st year and 2nd year course above should be completed by you.

==> Make github account within 2 days.

==> Git courses:

-> Video: <https://www.youtube.com/playlist...>

-> Interactive course: <https://www.datacamp.com/.../introduction-to-git-for-data-sci...>

(Compulsory*) - From now onwards all your projects (even your academics) should be developed with github.

==> Your github accounts will be checked.

==> Java Basic- Tutorial:

-> <https://www.javatpoint.com/java-tutorial>

-> Youtube: <https://www.youtube.com/playlist...>

(Compulsory*) - And it is compulsory to participate in all contests on coding sites from today onwards.

==> *Your coding accounts/profiles will be checked, and there will be test on 26 october and filtering will be done.*

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In next Step we will be diving into your specific field of interest with coding so be prepared.

All the 4th yearties are ready to help you in DBMS/CD or any of your academics project.

Note: Editorials of codeshows-preliminary-test will be published soon.

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