

# 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](https://www.youtube.com/watch?v=TKKSYGJODEY)

**STEP 2:** Setup coding environment->

[HTTPS://BLOG.CODINGBLOCKS.COM/.../SETTING-UP-SUBLIME-TEXT-FOR...](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](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...](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.*

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[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](https://www.codechef.com/certification/prepare)

**==> HACKEREARTH DATA STRUCTURE TUTORIAL: (COMPULSORY\*)-**

-> [HTTPS://WWW.HACKEREARTH.COM/.../DATA-STR.../ARRAYS/1-D/TUTORIAL/](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\*) - (NARSIMHA KARUMANCHI BOOK VIDEO)

[HTTPS://WWW.YOUTUBE.COM/WATCH?V=YWNBBNJ\\_G-U](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.

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

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[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...](https://www.youtube.com/playlist...)

-> INTERACTIVE COURSE:

[HTTPS://WWW.DATACAMP.COM/.../INTRODUCTION-TO-GIT-FOR-DATA-SCI...](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](https://www.javatpoint.com/java-tutorial)

-> YOUTUBE: [HTTPS://WWW.YOUTUBE.COM/PLAYLIST...](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.\*\*\***

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# NOTE: EDITORIALS OF CODESHOWS-PRELIMINARY-TEST WILL BE PUBLISHED SOON.

# STAY TUNED TO THIS PAGE- <HTTPS://WWW.FACEBOOK.COM/CODESHOWS/>

# AND JOIN THE GROUP FOR FURTHER

UPDATES-<HTTPS://WWW.FACEBOOK.COM/GROUPS/297263240862680/>