Awesome Video Tutorial !!

[https://www.youtube.com/channel/UClEEsT7DkdVO\_fkrBw0OTrA](https://www.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fchannel%2FUClEEsT7DkdVO_fkrBw0OTrA&h=MAQF1PaIZ&s=1)

<http://wintercoding.mycodeschool.com/contests/completed>

Great Notes !!

[http://www2.hawaii.edu/~suthers/courses/ics311s14/Note](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww2.hawaii.edu%2F%7Esuthers%2Fcourses%2Fics311s14%2FNote&h=oAQHKkBoh&s=1)

A Code Library !!

<https://sites.google.com/site/kc97ble/home>

CodeChef Tutorial !!

<http://www.codechef.com/wiki/tutorials>

Arab ACM Practice Tutorial !!

This list contains all the available written syllabuses we have reached so far, the syllabuses are not guaranteed to be completed, some of them are just drafts, so use them to guide you and search online for the topic and learn, solve on it the level problems which are present on acmaast.com (but actually it is currently down, so you will find the problems in the problems' classific

ation link) and also solve as many as you can from free-style problems from any Online Judge.

Levels' Syllabuses:

Level 1 Syllabus:[https://docs.google.com/document/d/1UDBLkHpicW4TpO2dwtI0BAxJpDEtFoZy0niDpFpyI28/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1UDBLkHpicW4TpO2dwtI0BAxJpDEtFoZy0niDpFpyI28%2Fedit&h=dAQFei6qb&s=1)

Level 1 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdEZDUzZYWlU2eVBTSEJYUEEtSklIX0E#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdEZDUzZYWlU2eVBTSEJYUEEtSklIX0E%23gid%3D0&h=7AQElCViC&s=1)

Level 2 Syllabus: [https://docs.google.com/document/d/1KHkJnAqlgDEDQgup-AnaYZoh8Y\_aBAljGfV\_TXlWyjg/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1KHkJnAqlgDEDQgup-AnaYZoh8Y_aBAljGfV_TXlWyjg%2Fedit&h=0AQFg2SW8&s=1)

Level 2 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdEltMGVzTGxQRHRfdHlvY2Vxa1lpRWc#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdEltMGVzTGxQRHRfdHlvY2Vxa1lpRWc%23gid%3D0&h=xAQE14Rq7&s=1)

Level 3 Syllabus: [https://docs.google.com/document/d/1jlY-cc\_es1nW\_ZV82e0DFbTlQIcjbQruqpfKwBrlrNI/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1jlY-cc_es1nW_ZV82e0DFbTlQIcjbQruqpfKwBrlrNI%2Fedit&h=LAQEPp-tD&s=1)

Level 3 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdFNmaUZTR01BalUwUkszajhaa1JLclE#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdFNmaUZTR01BalUwUkszajhaa1JLclE%23gid%3D0&h=gAQFOxP1C&s=1)

Level 4 Syllabus: [https://docs.google.com/document/d/1y3PWgISje8IoFeCxTddvKO\_4au-6v02-s0aR3VG4c\_k/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1y3PWgISje8IoFeCxTddvKO_4au-6v02-s0aR3VG4c_k%2Fedit&h=vAQFK73Ij&s=1)

Level 4 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdC1MbGtFVUhvZzJ3YzV2aVRLemlQNXc#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdC1MbGtFVUhvZzJ3YzV2aVRLemlQNXc%23gid%3D0&h=oAQHKkBoh&s=1)

Level 5 Syllabus: [https://docs.google.com/document/d/1N7zPaZ0sWmPMgG8-lg2vNMSn4\_oTi0xGA0SIL1WkUz0/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1N7zPaZ0sWmPMgG8-lg2vNMSn4_oTi0xGA0SIL1WkUz0%2Fedit&h=-AQH56gcR&s=1)

Level 5 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdHVSeFAxY2Q0NEFheEstd0UzcmdxZnc#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdHVSeFAxY2Q0NEFheEstd0UzcmdxZnc%23gid%3D0&h=WAQHxL66p&s=1)

Level 6.5 Syllabus:<https://docs.google.com/document/d/1mWzDA3MhK1NHvyIbV_zOYaIZ6cwVA-e-TxYN-6l9GH0/edit>

Level 6.5 Problems' Classification: [https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdFM4bmg3MjFkWGE4VEJFTkhTOGRMVnc#gid=0](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fspreadsheet%2Fccc%3Fkey%3D0AivmksJfqhbpdFM4bmg3MjFkWGE4VEJFTkhTOGRMVnc%23gid%3D0&h=EAQHnwhZF&s=1)

Level 7 Syllabus:[https://docs.google.com/document/d/1ENr3OO\_x0nlyi2JcecAU8D\_cDtuxajK8zZfr2\_qGd6M/edit](https://www.facebook.com/l.php?u=https%3A%2F%2Fdocs.google.com%2Fdocument%2Fd%2F1ENr3OO_x0nlyi2JcecAU8D_cDtuxajK8zZfr2_qGd6M%2Fedit&h=4AQEVfI3B&s=1)

Level 7 Problems' Classification: <https://docs.google.com/spreadsheet/ccc?key=0AivmksJfqhbpdHgzc2FJd0FlekZUMUc5amVPaEVWY3c#gid=0>

MIT Course Note !!

<http://courses.csail.mit.edu/6.006/spring11/notes.shtml>

Bit Operation Tutorial !!

[http://blog.kuoe0.tw/posts/2012/01/28/bitwise-operation-set-operation](http://l.facebook.com/l.php?u=http%3A%2F%2Fblog.kuoe0.tw%2Fposts%2F2012%2F01%2F28%2Fbitwise-operation-set-operation&h=SAQE1RdHo&s=1)

[http://blog.kuoe0.tw/posts/2012/01/26/utlization-of-bitwise-operation](http://l.facebook.com/l.php?u=http%3A%2F%2Fblog.kuoe0.tw%2Fposts%2F2012%2F01%2F26%2Futlization-of-bitwise-operation&h=JAQFTAXW4&s=1)

A training tutorial of Bruce Merry ([http://www.brucemerry.org.za/](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.brucemerry.org.za%2F&h=qAQHnk5je&s=1))

[http://www.brucemerry.org.za/manual/manual.zip](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.brucemerry.org.za%2Fmanual%2Fmanual.zip&h=rAQHEfN-M&s=1)

A huge Library of Free Programming Books

[https://github.com/vhf/free-programming-books/blob/master/free-programming-books.md](https://www.facebook.com/l.php?u=https%3A%2F%2Fgithub.com%2Fvhf%2Ffree-programming-books%2Fblob%2Fmaster%2Ffree-programming-books.md&h=bAQHFxjmV&s=1)

Awesome Theorem Blog !!

Theorem of the week

[http://theoremoftheweek.wordpress.com](http://l.facebook.com/l.php?u=http%3A%2F%2Ftheoremoftheweek.wordpress.com%2F&h=uAQGjfjsC&s=1)

A awesome Arena !!

[http://www.infoarena.ro/blog](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.infoarena.ro%2Fblog&h=dAQFei6qb&s=1)

Funny programmer’s jokes

[http://fusharblog.com/programmers-gags/](http://l.facebook.com/l.php?u=http%3A%2F%2Ffusharblog.com%2Fprogrammers-gags%2F&h=kAQGOlZ_5&s=1)

Math Blog !!

[http://mike-naylor.blogspot.com/](http://l.facebook.com/l.php?u=http%3A%2F%2Fmike-naylor.blogspot.com%2F&h=3AQEhDJEF&s=1)

Awesome Blog !!

[http://www.cseblog.com/search/label/Geometry](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.cseblog.com%2Fsearch%2Flabel%2FGeometry&h=_AQEw8I7C&s=1)

igor's code archive

[http://shygypsy.com/tools/](http://l.facebook.com/l.php?u=http%3A%2F%2Fshygypsy.com%2Ftools%2F&h=0AQFg2SW8&s=1)

ICPC Training Website :

[https://sites.google.com/site/ubcprogrammingteam/educational](https://www.facebook.com/l.php?u=https%3A%2F%2Fsites.google.com%2Fsite%2Fubcprogrammingteam%2Feducational&h=_AQEw8I7C&s=1)

[http://pages.cs.wisc.edu/~dieter/ICPC/training.html](http://l.facebook.com/l.php?u=http%3A%2F%2Fpages.cs.wisc.edu%2F%7Edieter%2FICPC%2Ftraining.html&h=PAQFMcJXI&s=1)

All Sorting Algorithm with Animations

[http://www.sorting-algorithms.com/](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.sorting-algorithms.com%2F&h=nAQGusVDo&s=1)

Lecture note of Data Structures & Algorithm Course of

Ohio State University

<http://www.cse.ohio-state.edu/~gurari/course/cis680/cis680No1.html#cis680Ch19.html>

Easy Lectures and notes about

Design and Analysis of Algorithms

The Hong Kong Science and Technology University

[http://www.cse.ust.hk/faculty/golin/COMP271Sp03/Notes/](http://l.facebook.com/l.php?u=http%3A%2F%2Fwww.cse.ust.hk%2Ffaculty%2Fgolin%2FCOMP271Sp03%2FNotes%2F&h=8AQEmw7UA&s=1)

A famous Algorithm learning website :

<http://www.geeksforgeeks.org/fundamentals-of-algorithms/>

A famous Algorithm learning website for easier

Algorithms Lecture Notes :

<http://www.personal.kent.edu/~rmuhamma/Algorithms/algorithm.html>

A great Algorithm learning website is

[http://e-maxx.ru/algo/](http://l.facebook.com/l.php?u=http%3A%2F%2Fe-maxx.ru%2Falgo%2F&h=NAQEsuzTQ&s=1)