**CPS Level - 1 ( STL Part )**

**Class - 1:**

**Class video link :**

<https://youtu.be/W1McvE4a910>

**Discussed topics :**

1) Almost everything about vector

**Codes :**

Link:<https://pastebin.com/Uh9CjY5Y>

**Class - 2 :**

**Class Video link :**

<https://youtu.be/1qrlDngStmU>

**Discussed topics :**

1) Some built in functions

2) A. Sereja and Dima ( Codeforces )

Link : <https://codeforces.com/problemset/problem/381/A>

My Code : <https://codeforces.com/contest/381/submission/86489536>

3) 852. Peak Index in a Mountain Array ( Leet Code )

Link : <https://leetcode.com/problems/peak-index-in-a-mountain-array/>

My Code : <https://paste.ubuntu.com/p/9QRYtkx43z/>

4) 1502. Can Make Arithmetic Progression From Sequence ( Leet Code )

Link : <https://leetcode.com/problems/can-make-arithmetic-progression-from-sequence/>

My Code : <https://paste.ubuntu.com/p/ZxD9CqRxvc/>

5) Distinct Count ( Hacker erath )

LInk : <https://www.hackerearth.com/practice/data-structures/trees/binary-search-tree/practice-problems/algorithm/distinct-count/submissions/>

My Code : <https://paste.ubuntu.com/p/qGyDR48ScK/>

**Class tasks:**

1. A. Sereja and Dima ( Codeforces )

Link: <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE2ODYzMDM1MTEy/details>

1. 852. Peak Index in a Mountain Array ( Leet code )

Link= <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE2ODYzMDM1MTI2/details>

1. 1502. Can Make Arithmetic Progression From Sequence ( Leet code )

Link= <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE2OTE3NDgxNTE4/details>

1. Distinct Count ( Hackerearth )

Link= <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE2OTE3NDgxNTM1/details>

**Class - 3:**

**Class Video link :**

<https://youtu.be/xdK1ezuRQFU>

**Discussed topics :**

1) Almost everything about STL String.

My Code : <https://pastebin.com/x18NfqLp>

**Class - 4 :**

**Class Video link :**

<https://youtu.be/epBsoPWOySk>

**Discussed topics :**

1) Some built in functions & Practice problems

Full code of string : <https://pastebin.com/x18NfqLp>

2) <https://codeforces.com/problemset/problem/118/A>

My Code : <https://codeforces.com/contest/118/submission/87687803>

3) <https://www.hackerearth.com/problem/algorithm/the-palindrome-2/description/>

My Code : <https://paste.ubuntu.com/p/VSsKZNcMSW/>

4) <https://practice.geeksforgeeks.org/problems/sum-of-digit-is-pallindrome-or-not/0>

My Code : <https://paste.ubuntu.com/p/W3kNx9Tps2/>

5) <https://codeforces.com/contest/112/problem/A>

My Code : <https://codeforces.com/contest/112/submission/87690360>

6) <https://codeforces.com/contest/78/problem/A>

My Code : <https://codeforces.com/contest/78/submission/87691840>

7) <https://www.hackerearth.com/problem/algorithm/lexogeek-e6450fb7/description/>

My Code : <https://paste.ubuntu.com/p/HTxQs7gmV8/>

**Class Tasks :**

1)<https://codeforces.com/problemset/problem/118/A>

2) <https://www.hackerearth.com/problem/algorithm/the-palindrome-2/description/>

3) <https://practice.geeksforgeeks.org/problems/sum-of-digit-is-pallindrome-or-not/0>

4) <https://codeforces.com/contest/112/problem/A>

5) <https://codeforces.com/contest/78/problem/A>

6) <https://www.hackerearth.com/problem/algorithm/lexogeek-e6450fb7/description/>

7) <http://www.lightoj.com/volume_showproblem.php?problem=1023>

**Class - 5:**

**Class Video link :**

<https://www.youtube.com/watch?v=z74JnD_pZZk&list=PLoa_roVVsxA1CJu4DsOljb9d7FJkMCynM&index=5>

**Discussed topics :**

1) STL Pair & Practice problems

Full code : https://pastebin.com/jUBm08tq

2) https://codeforces.com/contest/44/problem/A

My Code : https://codeforces.com/contest/44/submission/87993765

3) <https://practice.geeksforgeeks.org/problems/count-distinct-pairs-with-difference-k/0>

My Code : <https://practice.geeksforgeeks.org/problems/count-distinct-pairs-with-difference-k/0>

4)<https://codeforces.com/problemset/problem/166/A>

My code=https://codeforces.com/contest/166/submission/87997879

**Class Task :**

1. <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE4NzY4MjkxMjk3/details>
2. <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE4Nzc3NzM1NzI2/details>
3. <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTE4Nzc3NzM1NzQy/details>

**Class - 6 :**

**Class Video link :**

<https://youtu.be/-YdMpcEfojY>

**Discussed topics :**

1) STL Map & Practice problems (Part-1)

2) Find the Frequency (Geeks for Geeks ) [Google interview question]

Link : <https://practice.geeksforgeeks.org/problems/find-the-frequency/1>

My Code : <https://paste.ubuntu.com/p/Y2pr7f7ZR8/>

3) Twice counter ( Geeks for Geeks ) [Amazon interview question]

Link : <https://practice.geeksforgeeks.org/problems/twice-counter/0>

My Code : <https://paste.ubuntu.com/p/gHcY5gkHR5/>

4) Word with maximum frequency ( Geeks for Geeks ) [Amazon interview question]

Link : <https://practice.geeksforgeeks.org/problems/word-with-maximum-frequency/0>

My Code : <https://paste.ubuntu.com/p/tpxTJxpKfF/>

5) C - Good Sequence ( Atcoder )

Link : <https://atcoder.jp/contests/arc087/tasks/arc087_a>

My Code : <https://paste.ubuntu.com/p/hzFdxPWWjq/>

**Class Tasks :**

1) Find the Frequency (Geeks for Geeks ) [Google interview question]

Link :<https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQxMDY0NzQ3MDgx/details>

2) Twice counter ( Geeks for Geeks ) [Amazon interview question]

Link :<https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQxMDY0NzQ3MTM3/details>

3) Word with maximum frequency ( Geeks for Geeks ) [Amazon interview question]

Link :<https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQxMDY0NzQ3MTg2/details>

4) C - Good Sequence ( Atcoder )

Link : <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQxMDY0NzQ3MjEw/details>

**Class - 7:**

**Class Video link:**

<https://youtu.be/TQAGOHEK28Q>

**Discussed topics :**

1) STL Map & Practice problems (Part-2)

2) A. Tom Riddle's Diary ( Codeforces )

Link : <https://codeforces.com/contest/855/problem/A>

My Code : <https://codeforces.com/contest/855/submission/88951484>[/](https://paste.ubuntu.com/p/Y2pr7f7ZR8/)

3) C. Registration system ( Codeforces )

Link : <https://codeforces.com/contest/4/problem/C>

My Code :<https://codeforces.com/contest/4/submission/88951974>

4) B. Radio Station ( Codeforces )

Link : <https://codeforces.com/contest/918/problem/B>

My Code : <https://codeforces.com/contest/918/submission/88953078>

5) RPLD - Database ( SPOJ )

Link : <https://www.spoj.com/problems/RPLD/>

My Code : <https://paste.ubuntu.com/p/94F5qxpKwz/>

6) C. Boxes Packing ( Codeforces )

Link : <https://codeforces.com/contest/903/problem/C>

My Code : <https://codeforces.com/contest/903/submission/88977950>

**Class Tasks :**

1) A. Tom Riddle's Diary ( Codeforces )

Link : <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyMDI5NzUzNzk0/details>

2) C. Registration system ( Codeforces )

Link : <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyMDI5NzUzODE4/details>

3) B. Radio Station ( Codeforces )

Link :<https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyMDI5NzUzODY4/details>

4) RPLD - Database ( SPOJ )

Link : <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyMDI5NzUzODc1/details>

5) C. Boxes Packing ( Codeforces )

Link : <https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTM4NDgzMTQwNzA4/details>

**Class - 8 :**

**Video link :**

[**https://youtu.be/cH\_w5xNGEco**](https://youtu.be/cH_w5xNGEco)

**Discussed topics :**

1) STL Set

**Code :**

<https://pastebin.com/d1SFD8TK>

**Class - 9 :**

Class Video link :

[https://youtu.be/IQtdw37KV2I](https://youtu.be/IQtdw37KV2I?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Discussed topics :

1) STL Set & Practice problems

2) Sets-STL ( Hackerrank )

Link : [https://www.hackerrank.com/challenges/cpp-sets/problem](https://www.hackerrank.com/challenges/cpp-sets/problem?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/WQsxSfSX5P/](https://paste.ubuntu.com/p/WQsxSfSX5P/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

3) C++ STL | Set 6 (set) ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/c-stl-set-6-set/1](https://practice.geeksforgeeks.org/problems/c-stl-set-6-set/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code :[https://paste.ubuntu.com/p/SBk6jPvGrF/](https://paste.ubuntu.com/p/SBk6jPvGrF/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

4) Set Operations ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/set-operations/1](https://practice.geeksforgeeks.org/problems/set-operations/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code :[https://paste.ubuntu.com/p/srSvWmRdSp/](https://paste.ubuntu.com/p/srSvWmRdSp/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

5) A. I Wanna Be the Guy ( Codeforces )

Link : [https://codeforces.com/problemset/problem/469/A](https://codeforces.com/problemset/problem/469/A?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://codeforces.com/contest/469/submission/89584223](https://codeforces.com/contest/469/submission/89584223?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

6) 217. Contains Duplicate ( LeetCode )

Link : [https://leetcode.com/problems/contains-duplicate/](https://l.facebook.com/l.php?u=https%3A%2F%2Fleetcode.com%2Fproblems%2Fcontains-duplicate%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT1lSGQMyAbJiniJn2U3p70hu9EZrU8oyvC1W4sr_ED7pzpiWabzNn-dvf5au5ecs5CqAPy4Z9PlTQ7GrbA-l0kQUSswLGMK-oLoXYk1VMALU7zQJCeIV7_p_j_S&__tn__=-UK-R&c%5B0%5D=AT1Mtc0lxhWxAxOVbg0Pbaxfv3-3P4SkhYlSk7gjhR4xdM3Lqxxn0EUpRIem7yapTGkyvPqHuKJ2YCDyZvOUPBLJ9BhwS4GwiXJIE_EtuBZlMZ7sl9uIUVg48zas3HweHFYtUFrRh7FPUQugBSsM_zXcdg57yrNu6acZLE-9P8vWQuIYGc8iT1xPCA)

My Code : [https://paste.ubuntu.com/p/SvggR3TG5G/](https://paste.ubuntu.com/p/SvggR3TG5G/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

7) A. Second Order Statistics ( Codeforces )

Link : [https://codeforces.com/problemset/problem/22/A](https://codeforces.com/problemset/problem/22/A?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://codeforces.com/contest/22/submission/89585212](https://codeforces.com/contest/22/submission/89585212?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Class Tasks :

1) Sets-STL ( Hackerrank )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzY5Nzc2MTY4/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzY5Nzc2MTY4/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

2) C++ STL | Set 6 (set) ( Geeks for Geeks )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzNzgx/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzNzgx/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

3) Set Operations ( Geeks for Geeks )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODA4/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODA4/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

4) A. I Wanna Be the Guy ( Codeforces )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODM3/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODM3/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

5) 217. Contains Duplicate ( LeetCode )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODU0/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODU0/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

6) A. Second Order Statistics ( Codeforces )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODc5/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzcxNDMzODc5/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

**Class - 10 :**

Class Video link :

[https://youtu.be/7nSN1SM4fRs](https://youtu.be/7nSN1SM4fRs?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Discussed topics :

1) Introduction to multiset and Practice Problem

2) Multiset Operations ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/multiset-operations/1](https://practice.geeksforgeeks.org/problems/multiset-operations/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/dzwNcSg8wX/](https://l.facebook.com/l.php?u=https%3A%2F%2Fpaste.ubuntu.com%2Fp%2FdzwNcSg8wX%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT27hlUF_AOduhJ8ouDIgeVmb6_wJ_gQ8HSIodz7GnYWdtt9o6DG4TAA2hg8AWPIaMTmcBsD3_0At6ql12vNIAYzqLJaGkc-AMfF0Yxt11Y2IaSyxYUe3N-RqOWk&__tn__=-UK-R&c%5B0%5D=AT2vXiL466RNjDVjrsq7EM2EIhVD5xHy9VHsPD7rBfPJVbzJpeHEbIGfYlv1aDk1ufY08KfE5EVvjWyvsm_1rkvR0uf5VhZaTshLVFNbKljM2HEOodmWoN-jbe5XHMyojwdTlcSXVWAHGP3EqYkS6ZFHTyUckDUnqY5rNA6Qf9wn0h3zq6MWQyMsOg)

Class Tasks :

1) Multiset Operations ( Geeks for Geeks )

Link : [https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzc1MjM2MTk4/details](https://classroom.google.com/u/0/c/MTE2NTUzNTIxNDIx/a/MTQyNzc1MjM2MTk4/details?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

**Class - 11 :**

Class Video link :

[https://youtu.be/FRJrfCjC2GY](https://youtu.be/FRJrfCjC2GY?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Discussed topics :

1) STL Stack & Practice problems

2) balanced brackets ( Hacker Rank )

Link : [https://www.hackerearth.com/practice/data-structures/stacks/basics-of-stacks/practice-problems/algorithm/balanced-brackets-3-4fc590c6/](https://www.hackerearth.com/practice/data-structures/stacks/basics-of-stacks/practice-problems/algorithm/balanced-brackets-3-4fc590c6/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/B2KSr2QqGt/](https://paste.ubuntu.com/p/B2KSr2QqGt/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

3) Special Stack ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/special-stack/1](https://l.facebook.com/l.php?u=https%3A%2F%2Fpractice.geeksforgeeks.org%2Fproblems%2Fspecial-stack%2F1%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT3hp8lcfbkmRZtbIyf3oBC2J2hrC3wE0SK5YcKh8OdC4rMyjayLkJg4GlRizg0Tqr7lJ49ur9rn3hAmC-5ztDG7d7mzZy2yt1yEWAJoSWTI9QQDMO05eiRYrEdw&__tn__=-UK-R&c%5B0%5D=AT1JRFZTaRxn4qBaXox2oCQOy5uHbNvDaAfVhgrqbxGDcO18TxZAjnCDhfTCVDssdMEQ2Tl1Kz1ihiCzGkuNTJy3bce7VyX653YdqehdTeh-Fc29MVpiw0_LmM_ABcRqxA_AeJzANH0kKR0AnDANhvq4ehs9FLnIvrG2mC6X41QYNd_sc2up_npkXw)

My Code :[https://paste.ubuntu.com/p/yYHBWx5gRb/](https://paste.ubuntu.com/p/yYHBWx5gRb/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

4) 682. Baseball Game ( LeetCode)

Link : [https://leetcode.com/problems/baseball-game/](https://leetcode.com/problems/baseball-game/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code :[https://paste.ubuntu.com/p/ryzgZs75fF/](https://paste.ubuntu.com/p/ryzgZs75fF/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

5) 1047. Remove All Adjacent Duplicates In String ( LeetCode )

Link : [https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/](https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/BXJttd6ZYn/](https://paste.ubuntu.com/p/BXJttd6ZYn/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Class Tasks :

All the problems discussed in class are class tasks.

**Class - 12 :**

Class Video link :

[https://youtu.be/ZDPfrODtbvM](https://youtu.be/ZDPfrODtbvM?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Discussed topics :

1) STL Queue

2) Queue Push & Pop ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/queue-designer/1](https://practice.geeksforgeeks.org/problems/queue-designer/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/nGTJvMHCHX/](https://paste.ubuntu.com/p/nGTJvMHCHX/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

3) Reverse First K elements of Queue ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/reverse-first-k-elements-of-queue/1](https://practice.geeksforgeeks.org/problems/reverse-first-k-elements-of-queue/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code :[https://paste.ubuntu.com/p/SvV5RzQrFC/](https://l.facebook.com/l.php?u=https%3A%2F%2Fpaste.ubuntu.com%2Fp%2FSvV5RzQrFC%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT0PZRwbV0ndmXKRiad62BNxCvVL8FWW8bgfXjCUPfWuLFgL93qjz4QdGf0H4965kFVUUVPgIZ_Oz9U1xVHc6JMukv1ZTdBuNvZPG0u9B0OrCC5O8yzwL-qsBidE&__tn__=-UK-R&c%5B0%5D=AT1VvylOAQfyXaiIBhVYMtvmZSW4znX5pg4woLwY-0sVbtfXdpBzrbG6kkNcIsjtFSc4NrE4T_pyo09GiDk2E3t5T-wJaWA4F7xAeGi505FI4rGG7rQb-vLxT-xVsOgt1OGtWMa5jW0cVhWFgPWEAIUsxef5mT5yCs_Wu8U-XrFHjoDY7CuUohL-NQ)

4) Queue Reversal ( Geeks for Geeks )

Link :[https://practice.geeksforgeeks.org/problems/queue-reversal/1](https://practice.geeksforgeeks.org/problems/queue-reversal/1?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/SfJcrbvwqN/](https://l.facebook.com/l.php?u=https%3A%2F%2Fpaste.ubuntu.com%2Fp%2FSfJcrbvwqN%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT0TH__L_lEbNzwUOPGe1U0mt2TXnfKYqIlu3-G5ygbz8a9Q4ZKh0PtzXCBxiLtbSzBNWWRnunuaY0DdyS45AmxbPbRPx3glqQS0nrAUGEiJkoI5O7zfU0Ysizf6&__tn__=-UK-R&c%5B0%5D=AT1VvylOAQfyXaiIBhVYMtvmZSW4znX5pg4woLwY-0sVbtfXdpBzrbG6kkNcIsjtFSc4NrE4T_pyo09GiDk2E3t5T-wJaWA4F7xAeGi505FI4rGG7rQb-vLxT-xVsOgt1OGtWMa5jW0cVhWFgPWEAIUsxef5mT5yCs_Wu8U-XrFHjoDY7CuUohL-NQ)

5 ) Deque

6) Deque Implementations ( Geeks for Geeks )

Link : [https://practice.geeksforgeeks.org/problems/deque-implementations/1/](https://practice.geeksforgeeks.org/problems/deque-implementations/1/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/kDmTzh7HTN/](https://paste.ubuntu.com/p/kDmTzh7HTN/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Class Tasks :

All the problems discussed in class are class tasks.

**Class - 13 :**

Class Video link : [https://youtu.be/RuH9-t2vDNc](https://l.facebook.com/l.php?u=https%3A%2F%2Fyoutu.be%2FRuH9-t2vDNc%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT2fsTjGap_xkf7siPP5apXABwrUf9BohPiAaM-F9y_m5cWn6xIrhcV8aRFaG23df-VjkJAOlwlysIj64MuUE_BP0mtGxFx2uIMHTLdCpWkP-2CAmYWjAsjjsNux&__tn__=-UK-R&c%5B0%5D=AT2lOBghPNB4AgoJqoqgTypjWVsX4ZnoQ4HcAJjdcgddDoWXQ1T0DgvAHLxa2lLMZMtNGIO3rmr5reCfH6GH7b3y9tXZD0CUAM7oxPNYeM2z6MW_832DdJqg1nhQoaYe6UmBmXq6oN-RY4Om00EFC4HgyaMmwsLF1h5Fy8qkVudkrmu8A8ennyA5ng)

Discussed topics :

1) STL Priority Queue

2) Monk and Multiplication(HackerEarth)

Link : [https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-multiplication/description/](https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-multiplication/description/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/N3rsVVg8zW/](https://paste.ubuntu.com/p/N3rsVVg8zW/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

3) Monk And Champions League ( HackerEarth )

Link : [https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-champions-league/description/](https://www.hackerearth.com/practice/data-structures/trees/heapspriority-queues/practice-problems/algorithm/monk-and-champions-league/description/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/p94nH4ZgTF/](https://l.facebook.com/l.php?u=https%3A%2F%2Fpaste.ubuntu.com%2Fp%2Fp94nH4ZgTF%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT0XsFgtzf-CtPlnQgIQTjCbMAzXmzTsQwuiC67c24QNrIHMXidhWb_R7i-GqDznM-keEI6G0GmGbTynwVlJkTsxA0AR9vR3GsWg7UB_ntyYVF-ed2JIQ-vH3Nog&__tn__=-UK-R&c%5B0%5D=AT2lOBghPNB4AgoJqoqgTypjWVsX4ZnoQ4HcAJjdcgddDoWXQ1T0DgvAHLxa2lLMZMtNGIO3rmr5reCfH6GH7b3y9tXZD0CUAM7oxPNYeM2z6MW_832DdJqg1nhQoaYe6UmBmXq6oN-RY4Om00EFC4HgyaMmwsLF1h5Fy8qkVudkrmu8A8ennyA5ng)

4) REDARR2 - Reduce the array ( Spoj )

Link : [https://www.spoj.com/problems/REDARR2/](https://www.spoj.com/problems/REDARR2/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://paste.ubuntu.com/p/SMHRXswyks/](https://paste.ubuntu.com/p/SMHRXswyks/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

5) T-shirt buying (Codeforces)

Link : [https://codeforces.com/contest/799/problem/B](https://codeforces.com/contest/799/problem/B?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

My Code : [https://codeforces.com/contest/799/submission/90402051](https://codeforces.com/contest/799/submission/90402051?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

Class Tasks :

All the problems discussed in class are class tasks.

**Class - 14 :**

Class Video link : [https://youtu.be/axQAxv2Gqoc](https://l.facebook.com/l.php?u=https%3A%2F%2Fyoutu.be%2FaxQAxv2Gqoc%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT2PDWoiafyVdaA4uzNnT1Jpj77nwSWhWaorjNALND5_M299zHKMT4Q7_k2hgMzcRLgewTI63NZC1TSp3BjqTkMMu0fruK5-NBQkqxJwtSd_uw-Slso1juFJuZ8R&__tn__=-UK-R&c%5B0%5D=AT2Hfg0WsjL5PZOZSMSbwVLM8jibi5sEf8hLOydcfLMpagYEk48soqWyFYopGyHlUGYPf6HYGOUz3NK3x6tzpSw2fFNG2bJUFi30Kzwk-n7QPeRkQa0PHYkrQVpvDxkDA6y1NWGD_r_HFyCqOq85Il2P_QnWxQUb6s5Uzmg8bTCsV-gg9KbIM122fw)

Discussed topics :

1) Practice problem of priority queue, My Template, Future practice strategy

2) Constructing the Array (Codeforces)

Link : [https://codeforces.com/problemset/problem/1353/D](https://l.facebook.com/l.php?u=https%3A%2F%2Fcodeforces.com%2Fproblemset%2Fproblem%2F1353%2FD%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT10cJ7hoG8llPRblQer6rzCWn8-pI2mOFv-VSixS-QU9YAYOsGq1y_hKlxFBRlQmhFdwHu7pib2QXdwPerUgVqYMwlK6OBl82oVQFX2igubJStx3TBhczFlG4wJ&__tn__=-UK-R&c%5B0%5D=AT2Hfg0WsjL5PZOZSMSbwVLM8jibi5sEf8hLOydcfLMpagYEk48soqWyFYopGyHlUGYPf6HYGOUz3NK3x6tzpSw2fFNG2bJUFi30Kzwk-n7QPeRkQa0PHYkrQVpvDxkDA6y1NWGD_r_HFyCqOq85Il2P_QnWxQUb6s5Uzmg8bTCsV-gg9KbIM122fw)

My Code : [https://paste.ubuntu.com/p/N3rsVVg8zW/](https://l.facebook.com/l.php?u=https%3A%2F%2Fpaste.ubuntu.com%2Fp%2FN3rsVVg8zW%2F%3Ffbclid%3DIwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw&h=AT1n9nKo58mewfOyM_5-6cSJxGJtmtW0M_uvvd8GPR9NoY2agy1J0AVL2aC_Bf7Uf_sYLfjiAOhYuZ3nLCNK2WfpYsG5YZLs-b-sZAWOSKVlqKKBVGU9A4Fz_J3L&__tn__=-UK-R&c%5B0%5D=AT2Hfg0WsjL5PZOZSMSbwVLM8jibi5sEf8hLOydcfLMpagYEk48soqWyFYopGyHlUGYPf6HYGOUz3NK3x6tzpSw2fFNG2bJUFi30Kzwk-n7QPeRkQa0PHYkrQVpvDxkDA6y1NWGD_r_HFyCqOq85Il2P_QnWxQUb6s5Uzmg8bTCsV-gg9KbIM122fw)

Important Links :

1) Template : [https://pastebin.com/nY7wdbBn](https://pastebin.com/nY7wdbBn?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw)

2) Atcoder :[https://kenkoooo.com/atcoder/#/table/](https://kenkoooo.com/atcoder/?fbclid=IwAR3_AVk3GIc7_ThVoeZVeIHHlPuFIrb_HTpaFD_WHsJbrQy4rKmhmr9BfFw#/table/)

Class Tasks :

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