

CP IET SMP-2018

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17CO121

COMPETITIVE PROGRAMMING

ACKNOWLEDGEMENT

This is to thank NAVEEN and ABHISHEK who gave us such a wonderful and amazing summer mentorship

ABSTRACT

The mentorship was really really good. It kept me engaged and helped me escape boredom through summer.

The mentors were very helpful and cleared doubt whenever it was there.

The questions in competitions were mind-boggling and interesting at the same time.

TABLE OF CONTENT

- Cover page
- Acknowledgment
- Abstract
- Table of content
- Problem definition
- Overview
- Code
- Future work



PROBLEM DEFINITION

*BEST
LEARNING
EXPERIENCE
HATS OFF TO THE
MENTORS*

OVERVIEW

WE HAD AT LEAST ONE SESSION A WEEK.
SESSION WAS ALWAYS ON TIME AND NEVER
LATE.

THERE WAS ALWAYS SOMETHING NEW IN THE
SESSIONS.

AFTER EACH SESSION WE WERE GIVEN
ASSIGNMENTS WHICH CONTAINED SOME
REALLY GOOD QUESTIONS.

eodes

ASSIGNMENT 1:

Q1: <https://www.codechef.com/problems/C00K0FF>

Code: <https://www.codechef.com/viewsolution/18539528>

Q2: <https://www.codechef.com/problems/GAMSTICK>

Code: <https://www.codechef.com/viewsolution/18621265>

ASSIGNMENT 2:

Q1: <https://www.hackerrank.com/contests/university-codesprint-3/challenges/bobs-game>

Code: <https://www.hackerrank.com/contests/university-codesprint-3/challenges/bobs-game/submissions/code/1309023629>

ASSIGNMENT 3:

Q1: <http://codeforces.com/problemset/problem/983/A#>

CODE: <http://codeforces.com/contest/983/submission/38484714>

Q2: <http://codeforces.com/problemset/problem/687/B>

CODE: <http://codeforces.com/contest/687/submission/38678654>

Q3: <http://codeforces.com/problemset/problem/75/C>

CODE: <http://codeforces.com/contest/75/submission/38439823>

ASSIGNMENT 4:

Q1: <https://www.codechef.com/JULY17/problems/IPCTRAIN>

CODE: <https://www.codechef.com/viewsolution/18890920>

Q2: miscellaneous

CODE: https://github.com/IET-NITK/CP-Summer-Mentorship-2018/blob/master/assignments/17CO121_saharsh/assignment4/qn2.cpp

Q3: miscellaneous

CODE: https://github.com/IET-NITK/CP-Summer-Mentorship-2018/blob/master/assignments/17CO121_saharsh/assignment4/qn3.cpp

ASSIGNMENT 6:

Q1: <https://www.codechef.com/ALMOCK01/problems/CHEFD>

CODE:

Q2: <https://www.codechef.com/problems/ADDMUL>

CODE: <https://www.codechef.com/viewsolution/19260523>

TESTS

CONTEST 1:

QUESTION1: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/pop-count/submissions/code/1307871202>

QUESTION2: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/odd-even-saga-1/submissions>

QUESTION3: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/summation-of-series/submissions/code/1307870980>

QUESTION4: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/van-helsing-snares-dracula-1/submissions/code/1307850881>

QUESTION5: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/shipment-of-toys/submissions/code/1307849235>

QUESTION6: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/good-knight/submissions/code/1307848770>

QUESTION7: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/fill-the-tank-1/submissions/code/1307871648>

QUESTION8: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/playing-with-numbers-5/submissions/code/1307871210>

QUESTION9: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/calculate-the-power/submissions/code/1307853921>

QUESTION10: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-1/challenges/golf-with-gray-code/submissions/code/1307871325>

CONTEST2:

QUESTION1: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-2/challenges/munnivsbunny/submissions/code/1308738428>

QUESTION2: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-2/challenges>

QUESTION3: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-2/challenges>

QUESTION4:

QUESTION5:

QUESTION6: <https://www.hackerrank.com/contests/cp-summer-mentorship-test-2/challenges>

CONTEST 3:

QUESTION1: <https://www.hackerrank.com/contests/cp-summer-mentorship-final-contest/challenges/lesser-primes/submissions/code/1308928558>

QUESTION2: <https://www.hackerrank.com/contests/cp-summer-mentorship-final-contest/challenges/bunny-loves-u/submissions/code/1308928792>

QUESTION3:

QUESTION4: <https://www.hackerrank.com/contests/cp-summer-mentorship-final-contest/challenges/make-the-arrays-same/submissions/code/1308929074>

QUESTION5: <https://www.hackerrank.com/contests/cp-summer-mentorship-final-contest/challenges/choice-of-seats/submissions/code/1308929110>

QUESTION6: <https://www.hackerrank.com/contests/cp-summer-mentorship-final-contest/challenges/cyclic-array-problem/submissions/code/1308936404>

QUESTION7:

QUESTION8: