CODECHEF INTERNSHIP TASK

By Adarsh Kanojiya

Technology Used

Used all of the preferred technology:

Backend: Mysql, Slim Framework

Frontend: ReactJS

App Link: https://codechef-react.herokuapp.com

Github:

https://github.com/adarsh000321/Codechef

CODECHEF
An unacademy Initiative

me

ABOUT

Hi, adarsh000321

easy-medium

medium

ltime71

ltime77

segment-tree

Problem Name			
Morosoph Todd			⌄
Insanely Hard School Exams			⌄
Arya and the Grid of Stars	ARYGRD	73	28.52 ⌄
The Challenge Day	CHADAY	73	21.41 ⌄
Chef Rami and Inventions	CHEFRAMI	73	16.80 ⌄
Double Distance Query	DDQUERY	73	10.25 ⌄
Invincible Shield	DEFECTS	73	16.53 ⌄
D-Value	DVL	73	23.14 ⌄
Grumpy Granny	GRUMPMA	73	21.92 ⌄
E - Guess the Number	GTN	73	23.10 ⌄
Is This a Long Challenge	ICM2004	73	3.07 ⌄

Autocomplete

Filter Problems

Choose Difficulty: Easy

Type and Enter   Tags

taran_1407 x192
cook112 x6
mhammad1 x6
pointers x3   ltime71 x6
joudzouzou x2
ltime77 x6
jafarbadour x13

Selected Tags/Authors

me ✕

React App

← → C 🔒 codechef-react.herokuapp.com/?

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Enter comma separated tags/authors 🔍

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Problem Name	Problem Code	Submissions	Accuracy	
Morosoph Todd	KTREE	29	19.17	⌄
Insanely Hard School Exams	ACCBIP	73	21.40	⌄
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Is This a Long Challenge	ICM2004	73	3.07	⌄

Filter Problems

Choose Difficulty: [Easy ⌄]

[df]   [Tags ⌄]

[dfs-order x5]

Tag search while typing

Selected Tags/Authors

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Enter comma separated tags/authors

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CodeChef Oauth

Filter Problems

Choose Difficulty: Easy ▼

Type and Enter   Tags ▼

depth-first-search x51
easy-medium x211
bitwise-operation x32
infy20 x5
nishitsharma03 x2
combinatorics x96
dynamic-programming x26

Selected Tags/Authors

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React App

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Filter Problems

Choose Difficulty: [Easy ▾]

Easy
Medium
Hard

Tag Segregation
(easy, medium, hard)

Type and Enter

depth-first-search x51
easy-medium x211
bitwise-operation x32
infy20 x5
nishitsharma03 x2
combinatorics x96
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Filter Problems

Choose Difficulty: Easy ⌄

Type and Enter   Tags ⌄

Tags
Authors

depth-first-search x51
easy-medium x211
bitwise-operation x32
infy20 x5
nishitsharma03 x2
combinatorics x96
dynamic-programming x26

Tag Types (Concepts, Authors)

Selected Tags/Authors

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Enter comma separated tags/authors

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Problem Tags (with count)

Filter Problems

Choose Difficulty: Easy

Type and Enter   Tags

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easy-medium x211
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combinatorics x96
dynamic-programming x26

Selected Tags/Authors

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depth-first-search,easy-medium,bitwise-operation,

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Selected Tags (Multiple Tags search)

Filter Problems

Choose Difficulty: Easy ⌄

Type and Enter   Tags ⌄

depth-first-search x51
easy-medium x211
bitwise-operation x32
infy20 x5
nishitsharma03 x2
combinatorics x96
dynamic-programming x26

Selected Tags/Authors

depth-first-search ✕
easy-medium ✕
bitwise-operation ✕

Ross goes for Shopping	ENGJ	74	22.07	⌄
Equivalent Exchange of Triangles	LEQEX	76	24.38	⌄
Knight Covering	KNICOV	141	23.31	⌄
Corrupted Seven-Segment Display	SEVENSEG	172	26.76	⌄
Little Elephant and Alcohol	LEALCO	402	42.64	⌄
Chef got Recipes	JAIN	1039	27.74	⌄
Chef and Subset	CHEFSETC	1504	51.21	⌄

Prev   1   Next

Type and Enter   Tags ▾

depth-first-search x51
easy-medium x211
bitwise-operation x32
infy20 x5
nishitsharma03 x2
combinatorics x96
dynamic-programming x26

Selected Tags/Authors

bitmasking ✕

"19 problems found"

🟩 User Defined Matched Tags

🟨 CodeChef Matched Tags

⬛ Other Related Tags

Problems found having the searched tags

CODECHEF

Bear and Segments	BEARSEG	136	14.79	⌄
Ciel and Map	CIELMAP	136	23.80	⌄
GCD Sum	GCDSUM	136	18.74	⌄
The Christmas Gift	KOL1502	136	15.71	⌄
Banned Quotient	BANQUNT	137	22.51	⌄
Need More Diamonds	DIAMOND	137	25.97	⌄
Brush Fire	FIRE	137	25.38	⌄
Receipt Recovery	RECRECOV	137	22.26	⌄
Endgame	ICL1906	138	20.81	⌄
Tennis Tournament	TOURNAM	138	31.04	⌄
Magical Candy Store	CNDYGAME	139	13.63	⌄

Pagination

Prev | 2 | Next

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easy-medium,bitmasking,

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Problem Name	Problem Code	Submissions	Accuracy	
Equivalent Exchange of Triangles	LEQEX	76	24.38	∨

easy-medium x211 | bitwise-xor x1 | dcod2019 x5 | bitmasking x19 | sachin_yadav x13

| Knight Covering | KNICOV | 141 | 23.31 | ∨ |

Prev   1   Next

Matched Tags (in yellow color, Mysql many to many mapping)

Filter Problems

Choose Difficulty: Easy ▾

Type and Enter   Tags ▾

depth-first-search x51
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easy-medium ✕
bitmasking ✕

Enter comma separated tags/authors

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Filter Problems

Choose Difficulty: Easy

Type and Enter   Tags

icpc2019 x9
jtnydv25 x17   ltime66 x4
nots0fast x7
sequence x2
greatest-common-divisor
jan16 x8   vitalij_adm x14

Infinite Scrolling Of Tags/Authors

Selected Tags/Authors

Technologies I Know: NodeJs, ReactJS, MongoDB, Express, Php, MySQL, Mocha, Git, Gitlab, Github, Heroku.
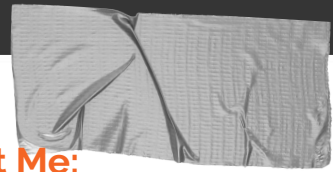
Languages I Know: Java, Javascript, CSS, HTML

Internships Experiences

GeeksForGeeks (Member Of Technical Staff): Wrote optimized codes for different problems, published more than 500 articles and reviewed more than 1000 articles based on data structures and algorithms. **(6 months)**

The Fifth Element Consultancy (Back-end Developer):
- Integrated Hedera HashGraph (Hedera Consensus Service), a Distributed Ledger Technology (DLT) for storing files.
- Managed Back-end development based on NodeJS, MongoDB and Express Framework for Maalexi (https://maalexi.com) Project. **(6 months)**

About Me:

Codechef, Codeforces:
adarsh000321

LinkedIn:
https://www.linkedin.com/in/adarsh-kanojiya-a81524164/

Email:
8899871637adarsh@gmail.com

Phone: 7898692931

Resume:
https://drive.google.com/file/d/1x--mCsSthfFKYDnWQGmi5PhPe50wmDvs/view?usp=sharing

Name: Adarsh Kanojiya

Hacks Developed

Wrote a data scraping script in javascript which sends **30 requests** in every **5 mins** to fetch all the problems based on the tags provided. Used this to map codechef tags and problems (Fetched all the tags of codechef in around **8hrs** of time).

Github:

https://github.com/adarsh000321/Codechef/tree/main/Codechef%20DATA%20SCRAPPING