



## Choose the Programming Level



### Beginner

If you've just started programming, this is a good place to start. By the end of this track, you will be well versed with the fundamentals of programming.

Enter Easy Track



### Intermediate

If you know programming basics, then you must try out this level. This will internalise all your basics and introduce you to some advanced concepts.

Enter Medium Track



## Expert

If you're well versed with programming basics and you understand advanced algorithms and data structures, then this level is for you. This level will introduce you to some advanced computer science concepts.

[Enter Hard Track](#)

## Practice Programming Problems (743)







Search tags:













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81 problem(s) found in Dynamic Programming. [Clear Tags](#)




#	Problem	All (743)	Solved By	Accuracy	Tags
● 1	<a href="#">Little Deepu and his Girl...</a> <sup>H</sup>		69	169/649	Medium, Game Theory, Dynamic Programming, Algorithms
● 6	<a href="#">Angles</a> <sup>H</sup>		333	923/1453	Dynamic Programming, Medium, Algorithms

● 31	Project Team <span>H</span>  	1328	1483/4406	Dynamic Programming
● 82	<del>Xsquare And Two Arrays</del> <span>H</span> 	510	1342/2159	Easy-Medium, Implementation, Dynamic Programming, Basic Programming
● 102	Let's Begin! <span>H</span>  	431	835/1422	Easy, Dynamic Programming, Math, Recursion
● 202	Roy and Little Mario <span>H</span>  	203	503/1074	Combinatorics, Ad-Hoc, Dynamic Programming, Medium, Algorithms
● 212	Gold Mines <span>H</span> 	191	1232/2236	Easy, Algorithms, Dynamic Programming
● 220	Game of Strings <span>H</span>  	182	795/1134	Dynamic Programming, Easy-Medium, Algorithms
● 266	Panda and Numbers <span>H</span>  	131	306/740	Dynamic Programming, Memoization, Recursion, Medium
● 281	Aniruddha And HackerEarth <span>H</span>  	123	169/711	Easy, Dynamic Programming, Algorithms
● 282	Numerical Armageddon Round 1 <span>H</span>  	123	1085/1831	Dynamic Programming, Modular arithmetic, Medium

					medium
● 307	Decreasing Paths <span>H</span>  	102	251/357		Dynamic Programming, Math, Graph Theory, Recursion
● 308	Super Two Letter Strings <span>H</span> 	99	111/620		Easy-Medium, Dynamic Programming, Algorithms
● 356	Tree Coloring <span>H</span> 	69	163/332		Medium, Combinatorics, Trees, Dynamic Programming, Algorithms
● 370	Shil and New Year Gift <span>H</span> 	63	210/274		Dynamic Programming, Bitmask, Medium, Algorithms
● 379	Boolean Expressions <span>H</span>  	60	267/375		Dynamic Programming, Combinatorics, Medium
● 390	Sherlock and Dice <span>H</span>  	55	463/1064		Dynamic Programming, Probability, Implementation, Algorithms, Hard
● 393	Digit <span>H</span>  	54	3839/4416		Dynamic Programming, Number Theory, Hard, Brute Force, Combinatorics
● 402	Equivalent Strings <span>H</span> 	50	156/226		Dynamic Programming, Medium, Math, Easy-Medium
					Dynamic

● 408	<a href="#">Sherlock and Coprime Subset</a> <span>H</span> <span>👁</span> <span>📄</span>	49	138/245	Dynamic Programming, Bitmask, Medium, Algorithms
● 434	<a href="#">Mehta And Mathematical Eq...</a> <span>H</span> <span>👁</span> <span>📄</span>	42	49/214	Dynamic Programming, Bit manipulation, Hard, Algorithms
● 436	<a href="#">Matrix Dispute</a> <span>H</span> <span>📄</span>	42	69/151	Medium-Hard, Greedy, Sorting, Dynamic Programming, Algorithms
● 443	<a href="#">Expected Matches</a> <span>H</span> <span>👁</span> <span>📄</span>	41	92/189	Dynamic Programming, Expectation, Probability
● 454	<a href="#">Lottery Tickets</a> <span>H</span> <span>👁</span>	38	78/267	Medium, Dynamic Programming, Algorithms
● 466	<a href="#">Capture Castle</a> <span>H</span> <span>👁</span>	35	69/493	Dynamic Programming
● 468	<a href="#">Array divider</a> <span>H</span> <span>👁</span> <span>📄</span>	35	161/289	Dynamic Programming, Medium
● 478	<a href="#">Modified LIS</a> <span>H</span> <span>👁</span> <span>📄</span>	33	142/166	Segment Trees, Medium, Dynamic Programming
● 487	<a href="#">Mehta And The Difficult Task</a> <span>H</span> <span>👁</span>	31	57/82	Dynamic Programming, Matrix Exponentiation, Math, Hard, Algorithms
● 488	<a href="#">Xsquare and A Gaming</a> <span>H</span> <span>👁</span>	31	70/158	Dynamic Programming, Algorithms

493	Class Homework 	30	181/368	Algorithms, Medium
494	Mehta and the Bank Robbery   	29	284/931	Ad-Hoc, Medium, Dynamic Programming, Algorithms
497	Xsquare and Increasing Sequence 	29	30/119	Dynamic Programming, Greedy, Sorting, Hard, Algorithms
506	Travelling Budget   	26	73/252	Dynamic Programming, Easy, Algorithms
513	Robots and Energy   	25	72/162	Hard, Algorithms, Dynamic Programming, Matrix Exponentiation
514	Sum of Digits  	25	1408/2403	Dynamic Programming, Hard, Math, Algorithms
515	Communication Network   	25	565/621	Dynamic Programming, Divide And Conquer, Hard
527	Counting on Tree   	23	71/87	Algorithms, Dynamic Programming, Hard
529	New Contest   	22	191/197	Probability, Math, Dynamic Programming, Combinatorics


525	<a href="#">New Contest</a> 	22	151/437	Combinatorics, Easy, Easy-Medium
540	<a href="#">Mehta and the needy friend</a>   	20	331/419	Binary Search, Dynamic Programming, Hard, Algorithms
562	<a href="#">Mehta's Dilemma</a>  	17	31/265	Dynamic Programming, Matrix Exponentiation, Hard, Math
575	<a href="#">Wavy Ranges</a>   	15	41/100	Dynamic Programming, Hard
585	<a href="#">String Partition</a>  	14	51/208	Dynamic Programming, Recursion, String Algorithms, Easy-Medium
587	<a href="#">Xsquare and a Mathematica...</a>   	13	43/230	Number Theory, Dynamic Programming, Hard, Algorithms
593	<a href="#">Kira's Special Sequences</a>  	12	64/70	Dynamic Programming, Algorithms, Hard
597	<a href="#">Roy and Flower Farm</a>   	11	122/209	Easy-Medium, Dynamic Programming, Algorithms
598	<a href="#">Phoebe's Melody</a>  	11	157/185	Dynamic Programming, Medium-Hard, Data Structures
602	<a href="#">Building the wall</a>   	10	25/140	Dynamic Programming

602	Building the wall 	10	237/140	Programming, Hard, Algorithms
606	Little Jhool and Manchest... 	9	90/193	Bitmask, Dynamic Programming, Hard, Algorithms
614	Building the Wall Again 	8	101/188	Dynamic Programming, Hard
625	Panda's programming tour 	7	27/130	Heavy light decomposition, Disjoint Set, Dynamic Programming, Medium-Hard, Algorithms
662	Help Raj play Table Tennis 	3	53/83	Recursion, Trees, Medium, Dynamic Programming, Algorithms
668	Digital Numbers 	0	75/136	Math, Dynamic Programming
675	Number of R's 	1100	7531/10410	Dynamic Programming, Easy-Medium, Algorithms
679	Samu and Shopping 	784	945/2742	Dynamic Programming, Easy
686	Longest Increasing Path 	623	3189/3785	Dynamic Programming, Easy-Medium, Medium, Algorithms
688	Utkarsh and Jumps 	522	1509/4450	Easy-Medium, Probability, Dynamic Programming



690	A game for soft-drinks	498	646/1255	Dynamic Programming, Game Theory, Hard, Recursion, Memoization, Algorithms
691	Once upon a time in Time-...	472	1168/2186	Dynamic Programming, Algorithms, Medium
695	Roy and Ropes	452	1564/1909	Ad-Hoc, Implementation, Dynamic Programming, Easy
696	Panda and XOR	406	1572/7893	Ad-Hoc, Easy-Medium, Dynamic Programming, Algorithms
700	Roy and Code Streak	327	1124/1317	Dynamic Programming, Implementation, Hashing, Medium, Algorithms, Data Structures
703	Supernatural Squad [2]	283	976/1232	Easy-Medium, Dynamic Programming, Recursion
711	Final voyage	212	592/642	Dynamic Programming, Easy, Algorithms
715	Xsquare And Chocolates Bars	176	240/713	Dynamic Programming, Easy-Medium, Implementation
	Zero Check	151	850/931	Dynamic Programming

717	zerosnark		131	830/934	Programming, Medium
718	Roy and Coin Boxes	H	147	824/994	BIT, Segment Trees, Dynamic Programming, Medium, Fenwick Tree, Data Structures
719	Mehta and the Tricky Trip...	H	146	167/1821	Dynamic Programming, Math, Bit manipulation, Medium
721	Aaryan and the Magical Nu...	H	131	344/2641	Dynamic Programming, Hard, Math
722	Amazing Test	H	127	640/1988	Dynamic Programming, Hard, Algorithms
723	GCD Game	H	126	1718/3322	Math, Dynamic Programming, Medium
725	Ikshu and his new year ma...	H	121	781/933	Sieve, Brute Force, Dynamic Programming
726	Pankaj and his in-laws!	H	118	348/481	Dynamic Programming, Easy-Medium, Easy, Algorithms
728	Mehta And Subarrays	H	103	800/1197	Sorting, Dynamic Programming, Binary Search, Hard, Algorithms
730	Ikshu's love for binary n...	H	88	519/962	Medium-Hard, Dynamic Programming, Algorithms

731	Prime numbers again   	87	198/440	Easy-Medium, Dynamic Programming, Ad-Hoc
732	Repair Work   	81	377/521	Dynamic Programming, Math, Hard
735	K-Distribution   	73	782/940	Hard, Combinatorics, Dynamic Programming, Number Theory, Math
737	Broken Amit   	66	917/1032	Dynamic Programming, Bitmask, Medium, Algorithms
740	Big P and The Road Less T...  	54	402/609	Dynamic Programming, Algorithms, Easy-Medium
741	Tower of Hanoi  	53	190/218	Easy-Medium, Dynamic Programming, Algorithms
743	Roy and Sweets  	48	628/703	Dynamic Programming, Medium, Algorithms

## COLLEGE PROBLEMS

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## PROBLEMS SUGGESTED FOR YOU

[Escape](#)

Solved by 11

[Putting matrix](#)

Solved by 17

[Permutation Problem](#)

Solved by 2

[more...](#)

## RECENT SUBMISSIONS

User	Problem	Result	Lang
Ashwani ...	Monk an...		C++
Priyanka...	Climbin...		C++
hooyay	Encoded...		Java
Siddhant...	Monk an...		C++
Karan Ka...	Arjit a...		C++
hooyay	Encoded...		Java
Siddhant...	Monk an...		C++

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## TRENDING NOTES

[Number Theory - III](#)

written by Boris Sokolov

[Exact String Matching Algorithms](#)

written by Alei Reyes

[Binary Indexed Tree or Fenwick Tree](#)

written by Chandan Mittal

[Small tricks in for loop](#)

written by Rangeesh

[Strings And String Functions](#)

written by Vinay Singh

[more ...](#)

## DEVELOPERS TO FOLLOW

[Satish Patel](#)

6 followers

[Shaswat Chaubey](#)

5 followers

[Ayush Agrawal](#)

15 followers

## COMPANIES TO FOLLOW

[McAfee, Part of Intel Security](#)

3879 followers

[Mindtree](#)

2575 followers

[SanDisk](#)

3023 followers

## RECOMMENDED CHALLENGES

[Horlicks Hack 4 Fun](#)

03 Sep 2015, 09:00 PM IST

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23 Oct 2015, 06:00 PM IST

[Register](#)[Zomato Hiring Challenge](#)

23 Oct 2015, 06:00 PM IST

[Register](#)[Diona iOS Developer Hiring Challenge](#)

24 Oct 2015, 12:00 PM IST

[Register](#)[Tipstat Android Developer Hiring Challenge](#)

24 Oct 2015, 12:00 PM IST

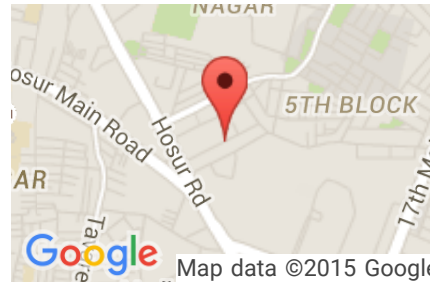
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## REACH US



IIIrd Floor, Salarpuria Business Center,  
4th B Cross Road, 5th A Block,  
Koramangala Industrial Layout,  
Bangalore, Karnataka 560095, India.

✉ [contact@hackerearth.com](mailto:contact@hackerearth.com)

☎ +91-80-4155-4695

☎ +1-650-461-4192



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