

Sl.No	Name of the Software	URL	Major Features
1	Hackerrank	https://www.hackerrank.com/domains	<p>HackerRank provides challenges for several different domains such as Algorithms, Mathematics, SQL, Functional Programming, AI, and more. You can solve all the challenge directly online (check out this example). They provide a discussion and leaderboard for every challenge, and most challenges come with an editorial that explains more about the challenge and how to approach it to come up with a solution. Aside from the editorial, you cannot currently view the solutions of other users on HackerRank.</p> <p>HackerRank also provides the ability for users to submit applications and apply to jobs by solving company-sponsored coding challenges.</p>
2	HackerEarth	https://www.hackerearth.com/challenges/	<p>HackerEarth is a global community of 2.5M+ developers who compete through various kind of monthly coding challenges hosted on the platform ranging from beginner level to advanced level. They support over 35+ programming languages and their platform is accessible free of cost to the developers. They have a wide range of practice tracks available such as Data Structures, Algorithms, Python, Machine Learning, etc. where developers can learn and analyze their performance by solving over 100+ problems in each of the tracks and rank on the leaderboard.</p>
3	TopCoder	https://www.topcoder.com/challenges/?pageIndex=1	<p>TopCoder is one of the original platforms for competitive programming online. It provides a list of algorithmic challenges from the past that you can complete on your own directly online using their code editor. Their popular Single Round Matches are offered a few times per month at a specific time where you compete against others to solve challenges the fastest with the best score.</p> <p>The top ranked users on TopCoder are very good competitive programmers and regularly compete in programming competitions. The top ranked user maintains his own blog titled Algorithms weekly by Petr Mitrichev where he writes about</p>

			coding competitions, algorithms, math, and more.
4	CodeChef	https://www.codechef.com/	CodeChef is an Indian-based competitive programming website that provides hundreds of challenges. You are able to write code in their online editor and view a collections of challenges that are separated into different categories depending on your skill level (check out this example). They have a large community of coders that contribute to the forums, write tutorials, and take part in CodeChef's coding competitions.
5	CodeTantra	https://learn.codetanha.com/login.jsp	<p>The platform has an advanced Runtime Code Analysis Engine that helps the learners to instantaneously detect and resolve runtime errors which otherwise require human intervention.</p> <p>The most common programming errors that beginners encounter like Infinite Loops, NullPointerExceptions, ArrayIndexOutOfBoundsExceptions etc., scare them and usually end up becoming demotivating road blocks for learning unless they receive timely external help.</p> <p>This is precisely where the Advanced Runtime Code Analysis Engine that is built into the platform helps most. It not only detects such problems, but also identifies the erroneous code and suggests fixes.</p>
6	Coderbyte	https://www.coderbyte.com/	<p>Coderbyte provides 200+ coding challenges you can solve directly online in one of 10 programming languages (check out this example). The challenges range from easy (finding the largest word in a string) to hard (print the maximum cardinality matching of a graph).</p> <p>They also provide a collection of algorithm tutorials, introductory videos, and interview preparation courses. Unlike HackerRank and other similar websites, you are able to view the solutions other users provide for any challenge aside from the official solutions posted by Coderbyte.</p>

7	Skillenza	https://skillenza.com/	<p>The coding platform gives users an opportunity to showcase their abilities by competing with the best and earn the advantage to land exclusive job offers, and much more. They provide a community platform to Build a learning network and elevate career possibilities by developing communities and sharing in their enterprises.</p> <p>Skillenza Highlights the track to knowledge using the Experience Graph and has the communities that support aspirants journey and inspires them by their experience.</p> <p>The interface is very fast, and users can easily connect with a respective social signing. Skillenza organized hackathons like Rajasthan 3.0 which act as a platform for companies to hire programmers.</p> <p>Major Firms that hire from Skillenza's are ThoughtWorks, Amazon, BOSCH, Swiggy, Careem, Capillary and many more.</p>
8	Project Euler	https://projecteuler.net/	<p>Project Euler provides a large collection of challenges in the domain of computer science and mathematics. The challenges typically involve writing a small program to figure out the solution to a clever mathematical formula or equation, such as finding the sum of digits of all numbers preceding each number in a series.</p> <p>You cannot directly code on the website in an editor, so you would need to write a solution on your own computer and then provide the solution on their website.</p>
9	Codewars	https://www.codewars.com/	<p>Codewars provides a large collection of coding challenges submitted and edited by their own community. You can solve the challenges directly online in their editor in one of several languages. You can view a discussion for each challenges as well as user solutions.</p>

10	Exorcism.io	https://exercism.io/	<p>Exercism is a coding challenge website that offers 3100+ challenges spanning 52 different programming languages. After picking a language that you'd like to master, you tackle the coding challenges right on your machine (Exercism has their own command line interface that you can download from GitHub).</p> <p>It is a bit different from other challenge websites, however, because you work with a mentor after completing each challenge. The mentor reviews your answers online and helps you improve them if needed. Once your answers have been approved and submitted, you unlock more challenges.</p>
11	LeetCode	https://leetcode.com/	<p>LeetCode is a popular Online Judge that provides a list of 190+ challenges that can help you prepare for technical job interviews. You can solve the challenges directly online in one of 9 programming languages. You are not able to view other users' solutions, but you are provided statistics for your own solutions such as how fast your code ran when compared to other users' code.</p> <p>They also have a Mock Interview section that is specifically for job interview preparation, they host their own coding contests, and they have a section for articles to help you better understand certain problems.</p>
12	SPOJ	http://www.spoj.com/	<p>Sphere Online Judge (SPOJ) is an online judge that provides over 20k coding challenges. You are able to submit your code in an online editor. SPOJ also hosts their own contests and has an area for users to discuss coding challenges. They do not currently provide any official solutions or editorials like some other websites do, though.</p>
13	Code Forces	http://codeforces.com/	<p>Codeforces is a Russian-based competitive programming website that regularly hosts competitions where some of the best competitive programmers in the world compete online. If you're a beginner coder, their challenges will most likely be too advanced for you — here are some examples of recent challenges. Their challenges usually require advanced math and algorithms knowledge.</p>

14	Interview bit	https://www.interviewbit.com/	InterviewBit is a platform to learn skills that you need for technology jobs. We help you polish your skills and get ready for the job, whether you are a fresh college graduate or a working professional.
15	CodinGame	https://www.codingame.com/	<p>CodinGame is a bit different from the other websites, because instead of simply solving coding challenges in an editor, you actually take part in writing the code for games that you play directly online. You can see a list of games currently offered here and an example of one here. The game comes with a problem description, test cases, and an editor where you can write your code in one of 20+ programming languages.</p> <p>Although this website is different than typical competitive programming websites such as the ones mentioned above, it is still popular amongst programmers who enjoy solving challenges and taking part in contests.</p>
16	GeeksForGeeks	https://www.geeksforgeeks.org/	GeeksforGeeks has the best collection of articles, explanations, and code solutions for algorithms and data structure topics. You can see an example here of how they break down a complex question into simpler parts, explain the solution and then provide a code solution. They also have an online editor where you can practice solving challenges yourself before seeing the solution. If you are preparing for a software engineering interview, you should definitely use this website to prepare and brush up on the harder algorithm questions.
17	Conduiraonline	https://www.conduiraonline.com/	Conduira Online provides you with a comprehensive learning program complete with Learning Videos, Live Online Sessions, Assessments, Personalized Feedback and Study Plans. The accompanying blog articles serve to improve your awareness and keep you motivated towards your goal while the forums provide you with a platform to interact with your peers.
18	EBox (ATAL)	https://e-box.co.in/	E-Box is a Technology Enabled Active Learning and Assessment platform for technology and engineering domains apart from the basic LMS components like

			quizzes, assignments, lesson components.
19	Kaggle	https://www.kaggle.com/	Kaggle, a subsidiary of Google LLC, is an online community of data scientists and machine learning practitioners. Kaggle allows users to find and publish data sets, explore and build models in a web-based data-science environment, work with other data scientists and machine learning engineers, and enter competitions to solve data science challenges.
20	CodeFights	https://codefights.com/	CodeFights provides a collection of coding challenges for you to solve in their online editor and there is a forum for users to discuss the challenges. They also have a feature called Company Bots where you write code to compete against a “bot” that was programmed by engineers at companies like Uber, Dropbox, and Quora.
21	ChallengeRocket	http://bit.ly/ChallengeRocketCom	Global brands use ChallengeRocket to assess and hire top-performing tech talents (software developers, data scientists, IT specialists) by using online challenges and hackathons. They run online engineering and programming challenges helping brands to: 1) Discover & recruit new candidates for tech positions 2) Assess programming talents during recruitment (process automation) 3) Monitor & practice coding skills in organizations ChallengeRocket has developed unique AI technology to observe coding candidates and assess them without human intervention. The goal is to make global tech recruitment more effective, fair, and fun! According to Facebook for Developers — ChallengeRocket.com is the world’s best solution for software developers to assess and improve their craft.
22	Lintcode	https://www.lintcode.com/	Coding Training System

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