❑ EPITOME23

CODEYOURWAY

❑ THE CYBERNAUTS

Wasting time by searching for best rated coding websites..?

THEN YOU NEED THEM ALL AT ONE PLATFORM.

- CodeYourWay helps you find the best websites for your coding journey at one place.

- You can find websites for programming languages like Python, Kotlin, Java, HTML, C++, C# and C.

- This saves a lot of time and helps to avoid distractions caused during searching for content.

Mission

Work towards generating interest in students on coding and eliminate their thoughts to leave it halfway.

Provide proper guidance and bring awareness among the students about benefits of starting early.

Save time and give support they need to navigate their coding journey.

Why students leave their coding journey halfway?

- People quit their programming education for a number of varied reasons. Although, many quit for the same set of reasons—including too little time to study, lack of cognitive bandwidth, and lack of purpose. Some also quit when they later discover they don't enjoy programming enough to put in the requisite hard work and consequential sacrifices to succeed in it.
- According to one report, the number of people who quit online coding programs neared a shocking 94%. You don't want to be part of that statistic, right?
- People often quit online coding programs because sometime after they enroll they realize they don't have the capacity for coding or that they dislike the complexity or tediousness of the career path they chose.

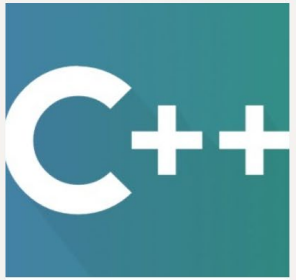
Languages Available

PYTHON

KOTLIN

JAVA

HTML

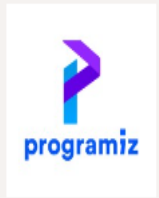


C++

C#

C

PYTHON



Python is a popular object oriented programming language. It was created by Guido van Rossum, and released in 1991.

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has a simple syntax similar to the English language.
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
- Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.

Applications for Python

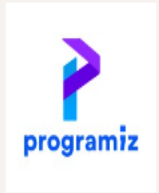
-> Web and Internet Development

-> Scientific and Numeric computing

-> Teaching programming, both at the introductory level and in more advanced courses.

-> Software Development

KOTLIN



Kotlin is a modern but already mature programming language aimed to make developers happier. It's concise, safe, interoperable with Java and other languages, and provides many ways to reuse code between multiple platforms for productive programming.

Why Kotlin?

Java is not the only language you can use to build Android apps. The most strongly supported JVM language in the Android ecosystem—aside from Java—is Kotlin, an open-source, statically typed language developed by JetBrains.

JetBrains created one of the most popular IDEs, Intellij Idea, as well as Android Studio, which Google crowned as the standard IDE for Android development. It understood the pain developers face in day-to-day development workflow, and with Kotlin it has attempted to address those. JetBrains uses Kotlin in production to develop its own products, so it is unlikely that the language will suddenly be abandoned.

C

Learn-C.org

programiz

schools

tutorialspoint
SIMPLYEASYLEARNING

javaTpoint

C is a general purpose language. It has been closely associated with the UNIX system where it was developed, since both the system and most of the programs that run on it are written in C. It is also called as "system programming language" because it is useful for writing compilers and operating systems.

C is a relatively "low level" language. This characterization is not pejorative; it simply means that C deals with the same sort of objects that most computers do, namely characters, numbers and addresses.

C offers only straightforward, single-thread control flow: tests, loops, grouping and subprograms, but not multiprogramming, parallel operations, synchronization or coroutines.

Since C is relatively small, it can be described in a small space, and learned quickly. A programmer can reasonably expect to know and understand and indeed regularly use the entire language.

WHY C ?

-> C is the preferred language for building a strong programming foundation

-> It is simple to understand

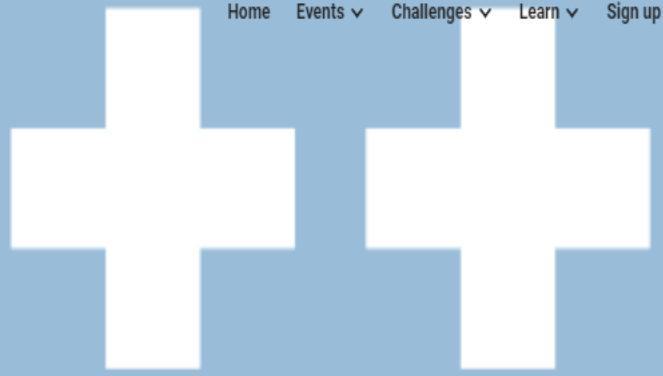
-> It is used in embedded programming

-> It forms the basis for C++ and Java

-> It is fast

-> It is used to build PC games

C++



learn-cpp.org

The C++ programming language was created by Bjarne Stroustrup and his team at Bell Laboratories (AT&T, USA) to help implement simulation projects in an object-oriented and efficient way. The aim was to have as many compiler vendors and software developers as possible agree on a unified description of the language in order to avoid the confusion caused by a variety of dialects. In 1998 the ISO (International Organization for Standardization) approved a standard for C++. Characteristics of C++ :

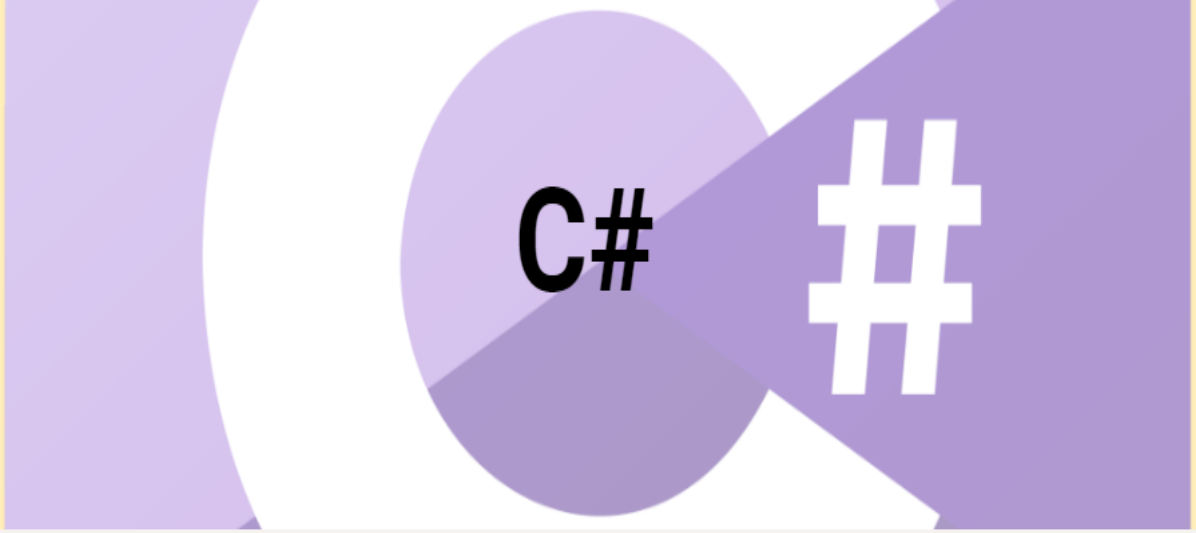
C++ is not a purely object-oriented language but a hybrid that contains the functionality of the C programming language. This means that you have all the features that are available in C:

-> universally usable modular programs

-> efficient, close to the machine programming

-> portable programs for various platforms. The large quantities of existing C source code can also be used in C++ programs.

-> C++ supports the concepts of object-oriented programming (or OOP for short), which are: data abstraction, that is, the creation of classes to describe objects ->data encapsulation for controlled access to object data -> inheritance by creating derived classes (including multiple derived classes) -> polymorphism (Greek for multiform), that is, the implementation of instructions that can have varying effects during program execution.



C# is pronounced "C-Sharp".

C# is an object oriented language which gives a clear structure to programs and allows code to be reused, lowering development costs

C# has roots from the C family, and the language is close to other popular languages like C++ and Java.

C# is used for:

- Desktop applications
- Web services
- Web sites
- Games
- VR
- Database applications
- As C# is close to C, C++ and Java, it makes it easy for programmers to switch to C# or vice versa

HTML

HTML (Hypertext Markup Language) is a text-based approach to describing how content contained within an HTML file is structured. This markup tells a web browser how to display text, images and other forms of multimedia on a webpage.

HTML is a formal recommendation by the World Wide Web Consortium (W3C) and is generally adhered to by all major web browsers

Why HTML?

-> HTML helps to build structure of a website and is a widely used Markup language.

-> It is easy to learn.

-> HTML is light weighted and fast to load.

-> Storage of big files are allowed because of the application cache feature.

JAVA

Oracle Java is the #1 programming language and development platform. It reduces costs, shortens development timeframes, drives innovation, and improves application services. With millions of developers running more than 60 billion Java Virtual Machines worldwide, Java continues to be the development platform of choice for enterprises and developers.

Why Java?

Java has significant advantages over other languages and environments that make it suitable for just about any programming task.

Java is easy to learn.

Java was designed to be easy to use and is therefore easy to write, compile, debug, and learn than other programming languages.

Java is object-oriented.

This allows you to create modular programs and reusable code

Java is platform-independent.

One of the most significant advantages of Java is its ability to move easily from one computer system to another. The ability to run the same program on many different systems is crucial to World Wide Web software, and Java succeeds at this by being platform-independent at both the source and binary levels.

Ratings

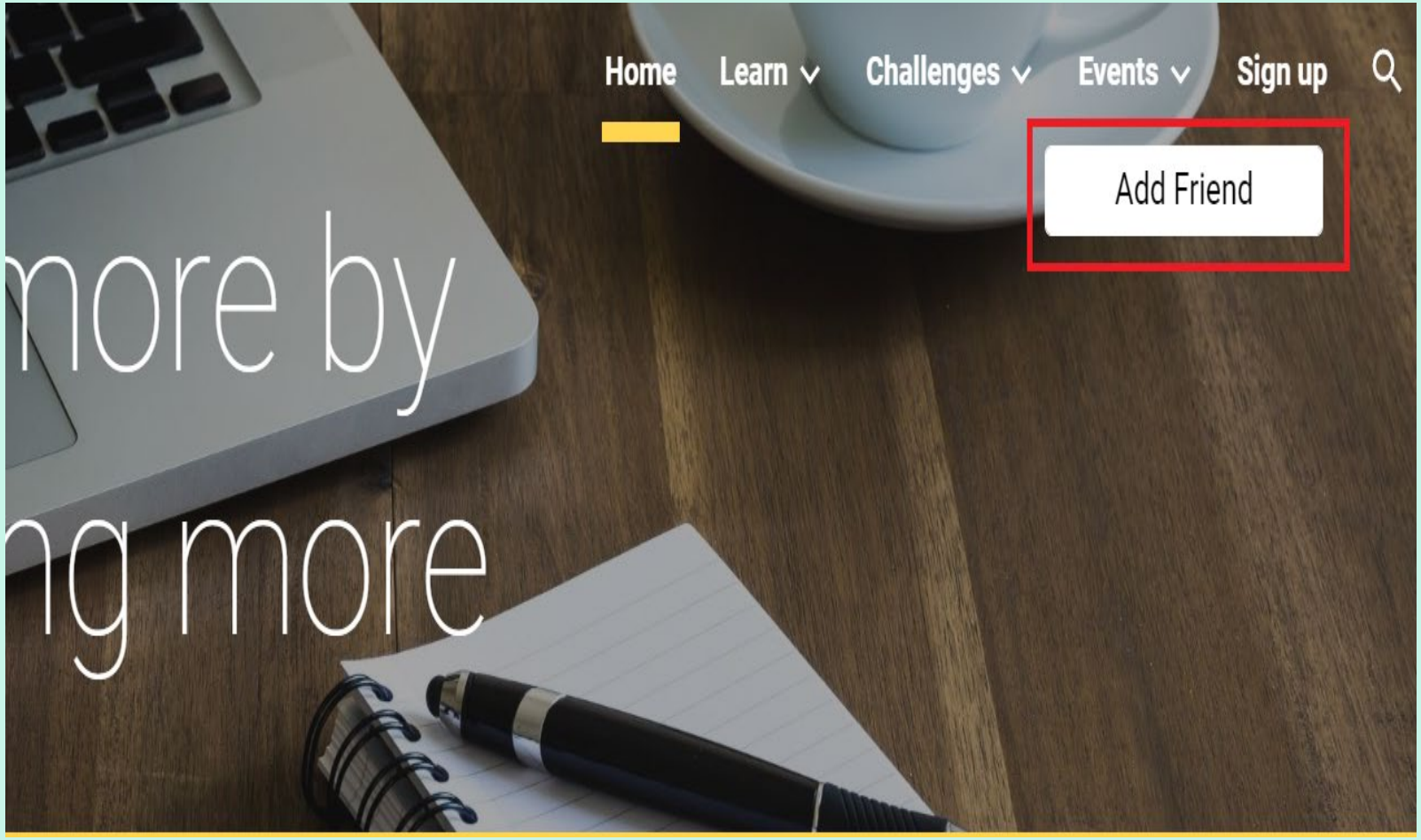
- Users can give their rating for the content.

- It would be beneficial for the new users as they can choose a best platform for coding according to the ratings.

OTHER FEATURES

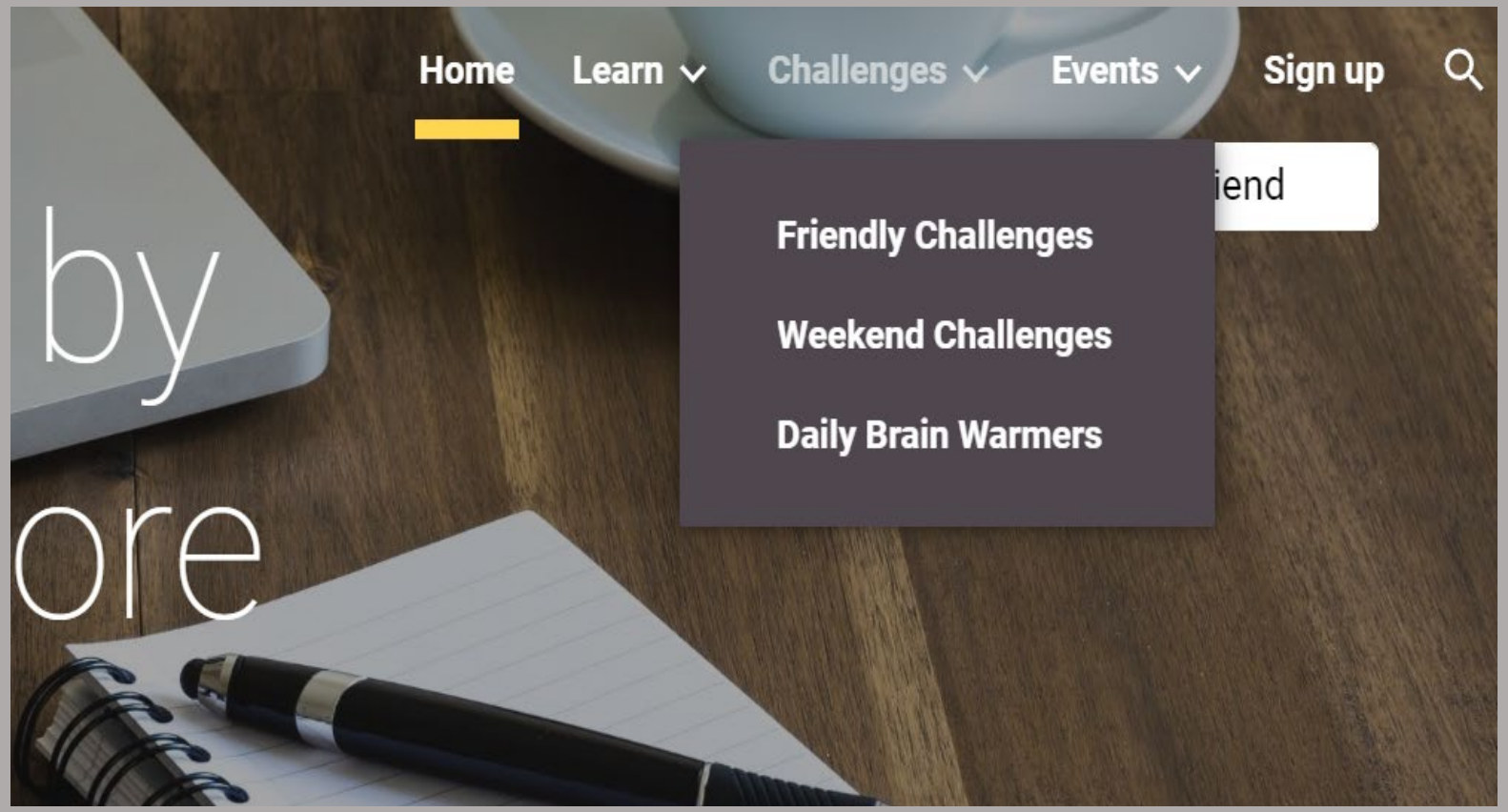
- Social Connectivity
- Friendly Challenges
- Reward Points
- Weekly challenges
- Mini Hackathons
- Daily Brain Warmers

Social Connectivity



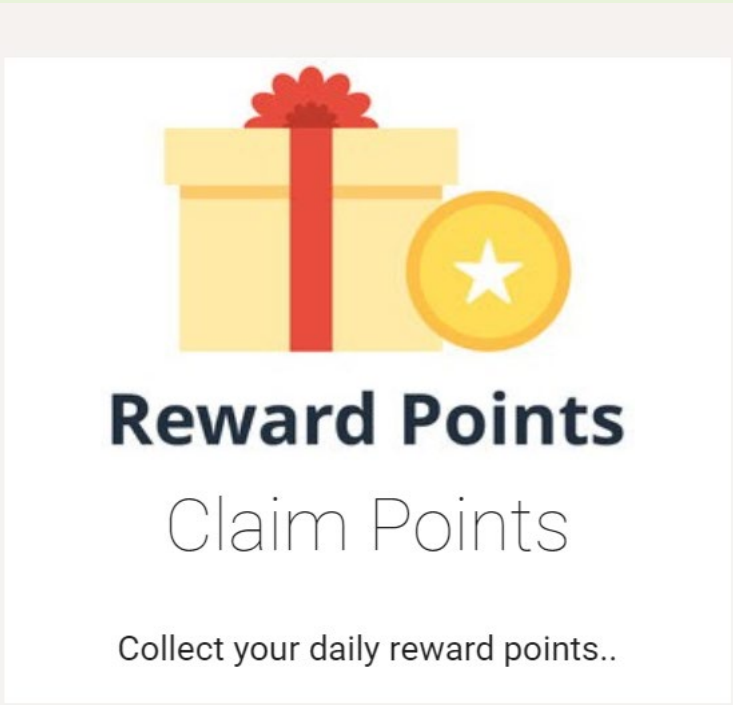
- You can socially connect with people

Challenges

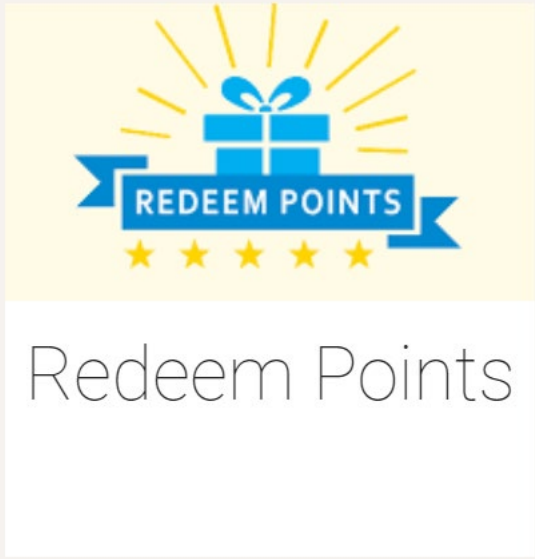


- Challenge your friends.
- You can improve your coding skills by challenging yourself.
- Get to know your capabilty by participating in challenges.

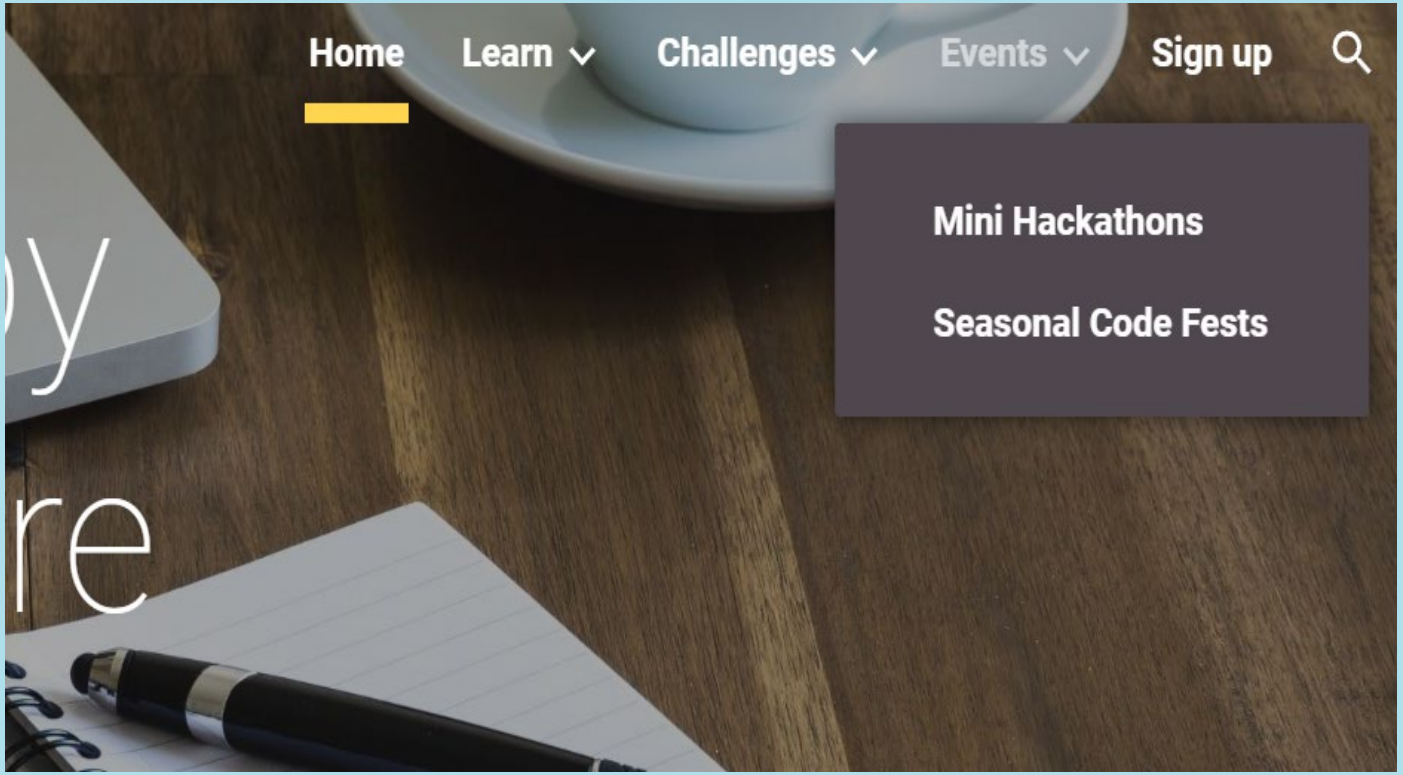
Rewards



- Earn and redeem reward points for every challenge
- It motivates students to code more
- It creates interest in students to make their coding journey consistent



Events



- Mini Hackathons are conducted to bring out the best in the coders.
- Students can find methods to solve real life problems too and make them industry ready.
- Students can utilize their time during their vacations by attending the seasonal code fests.

Conclusion

- CodeYourWay look forward to make this website meet the students' needs for enlighting the interest in coding.
- It assures that it provides necessary awareness among students about coding.
- It gives the support to the students to navigate to their success in their coding journey.
- It emphasizes students' precious time for their smooth coding experience.