East West University

Report

Semester: Summer-2025

Course Title: Software Engineering **Course Code:** CSE412 **Sec:** 02

Group No: 07

Group Members:

Student Name	Student Id
Md. Jubayer Hasan	2022-2-60-042
Fariha Khandaker Moon	2022-2-60-047
Md. Shahariar Rahman Rafi	2022-1-60-176
Mahfuz Uddin Ahmed	2023-3-60-207
Md. Shishir Khondoker	2021-2-60-080

Submitted to-

NISHAT TASNIM NILOY

Lecturer

Department of Computer Science & Engineering

East West University

Date of Submission: 23 June, 2025

- **Analyze three application software**

1. GeeksforGeeks
2. Programiz
3. W3Schools

- **Common 10 prominent features of our three application software**

1. Code editor & online compiler
2. Articles & tutorials
3. Provide different courses
4. Interview preparation
5. Quizzes & MCQs
6. Live and recorded classes
7. Coding contests
8. No login required for beginners
9. Real world projects
10. Certification opportunities

- ## 5 characteristics and properties (non-functional features):

1. Usability

→ Simple, beginner-friendly UI; easy navigation for all user levels.

2. Accessibility

→ Available on mobile & desktop, works across all modern browsers.

3. Performance

→ Fast page load, real-time code execution without major lags.

4. Scalability

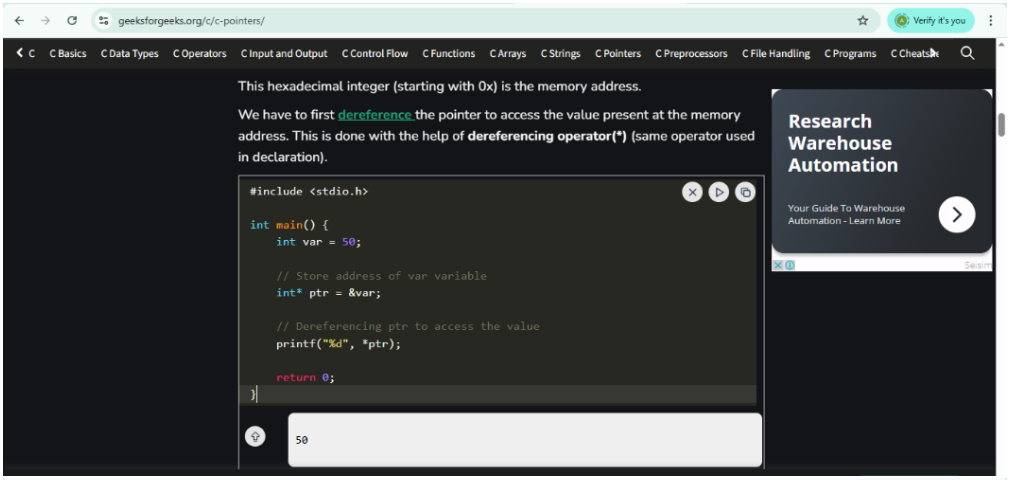
→ Can handle thousands of users simultaneously (especially GFG during contests).

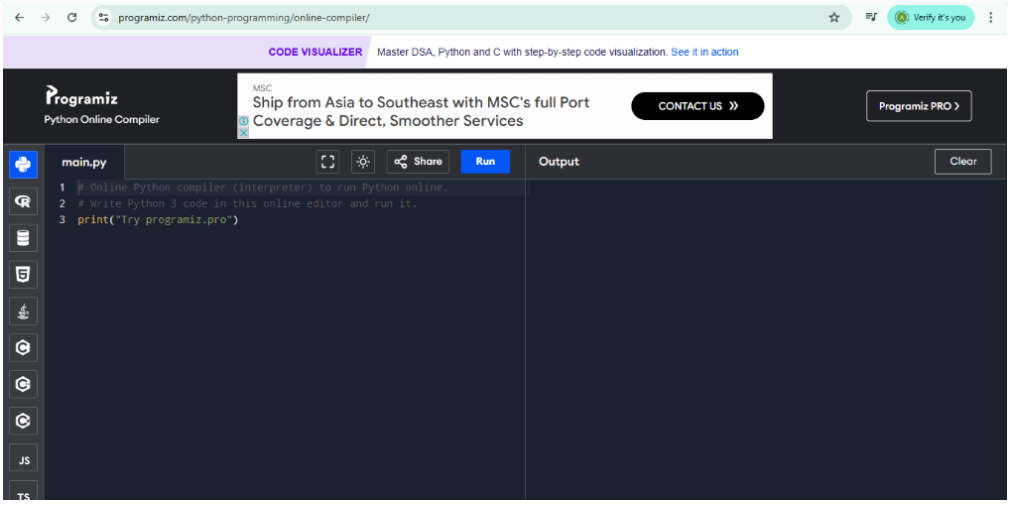
5. Reliability

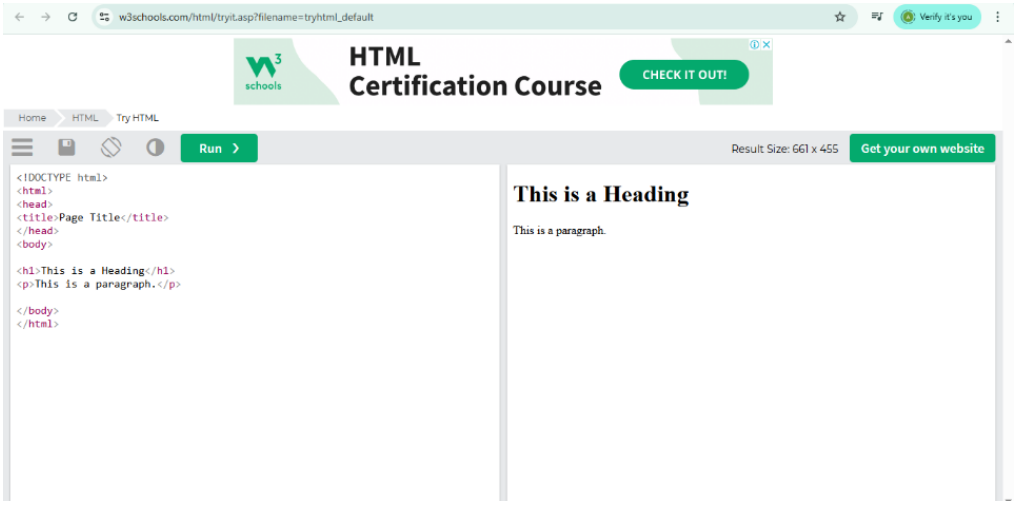
→ Consistently available content, minimal downtime, well-maintained resources.

- **Screenshots**

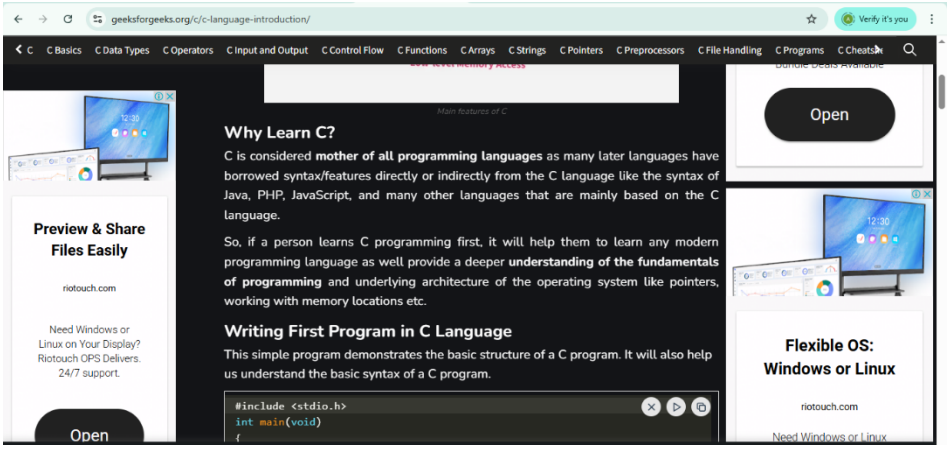
1. Code editor & online compiler :

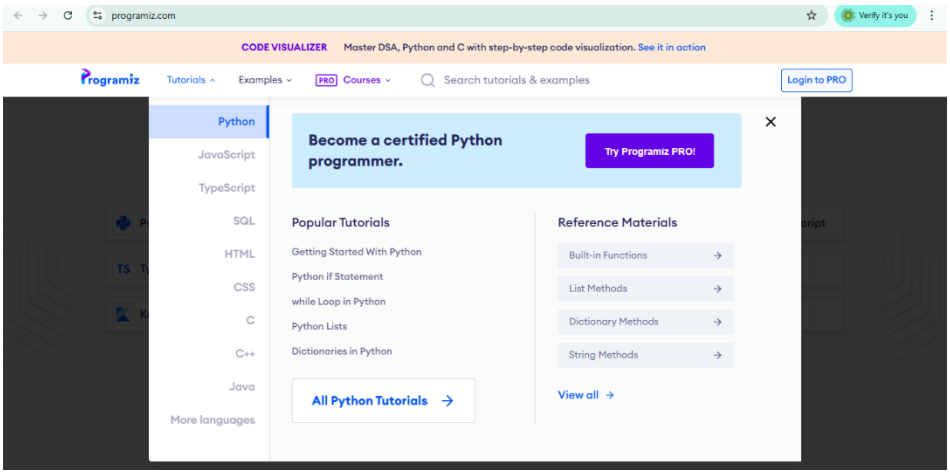


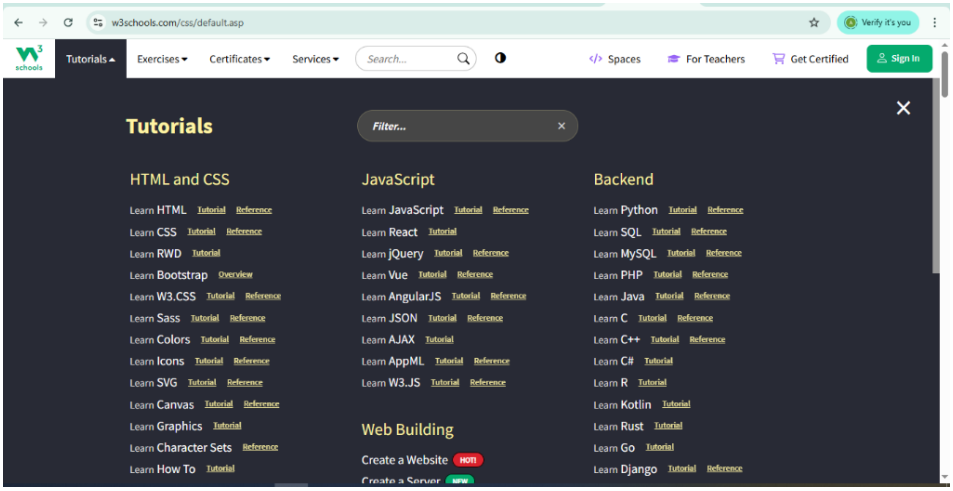




2. Articles & tutorials

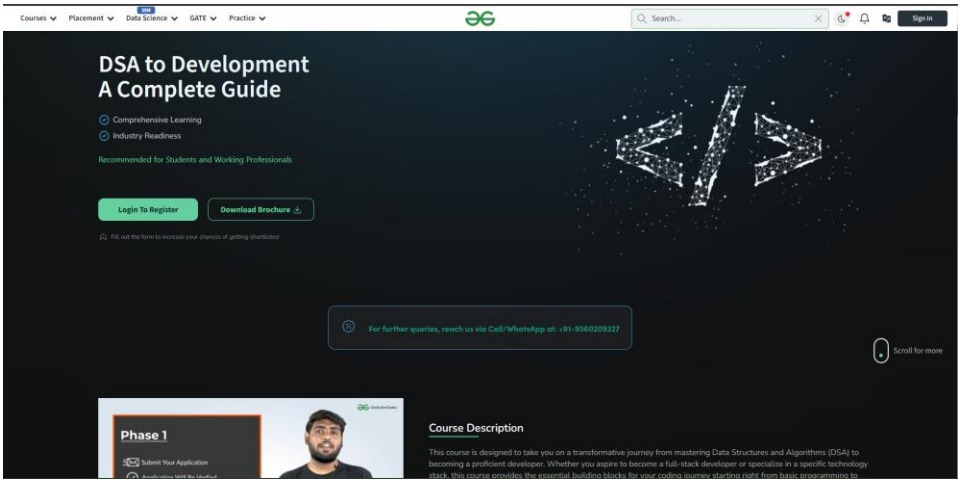




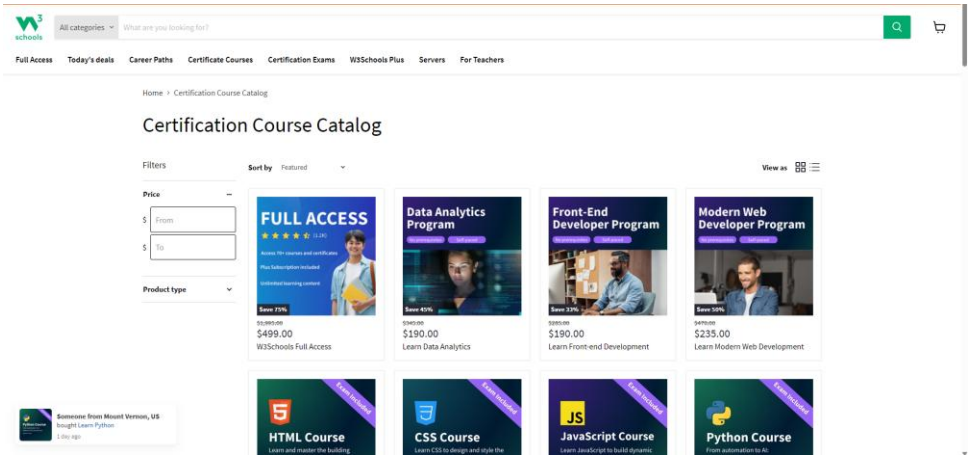


3. Courses:

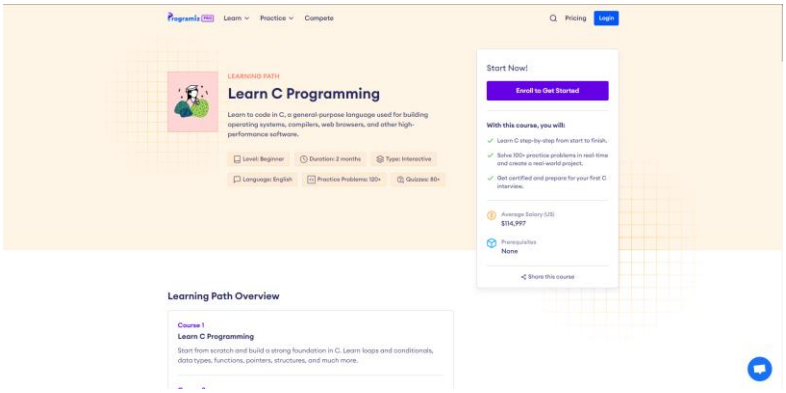
GeeksforGeeks



W3Schools



Programiz:



Comparison:

Feature	GeeksforGeeks	Programiz	W3Schools
Interactive Coding	Yes	Yes	Yes
Certification	Yes	Yes	Limited
Dark Mode	Yes	Yes	Yes
Mobile App	Yes	Yes	No
Beginner-Friendly	Medium	High	High
Tutorials Depth	Very High	Medium	Medium
Practice Problems	Extensive	Moderate	Limited
UI/UX Design	Moderate	High	High
Number Of Language	10+	5+	5+
Community Support	Strong	Moderate	Low

Conclusion & Favorite:

While all three platforms serve educational purposes well, GeeksforGeeks stands out due to its vast library, problem-solving sections, and deep tutorial. Although Programiz offers a better beginner-friendly UI and W3Schools is known for simplicity, GeeksforGeeks is the most resource-rich, making it our group's favorite