

01

# Free Online Course

## Web Application Programming 101

# Basic



HTML



CSS



JS



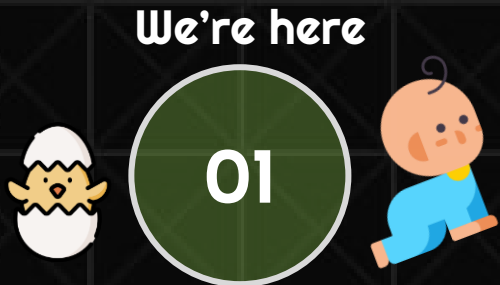
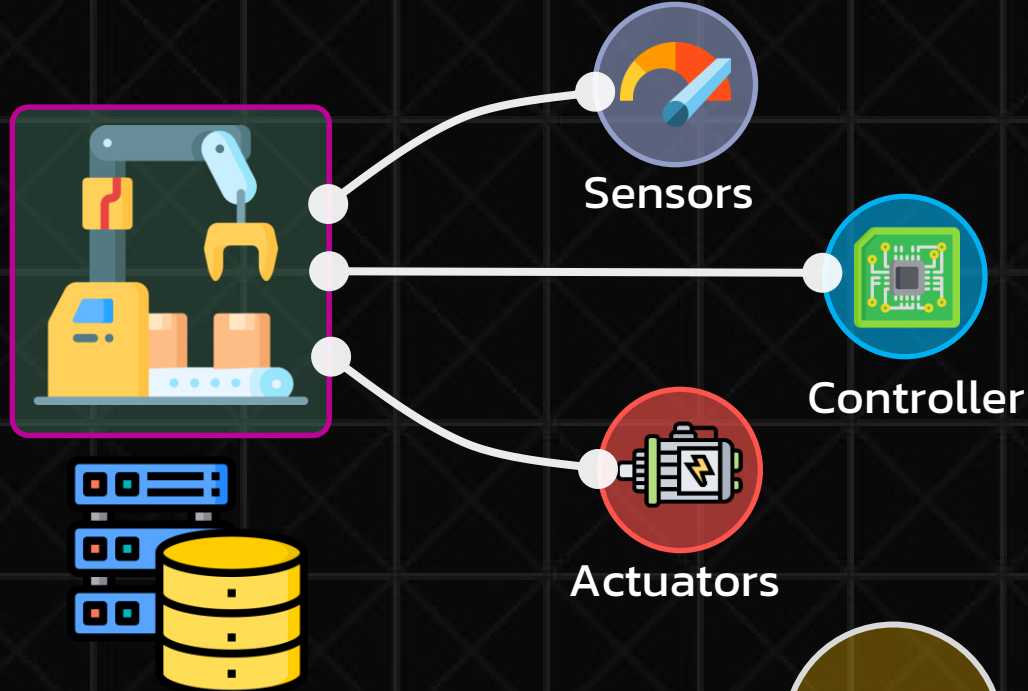


1. Introduction to the Web Applications Programming 101
2. Why Web applications?
3. What are learning Outcomes?
4. Where are the excellent learning resources?
5. What are HTML, CSS, and JavaScript?
6. Development tools installation and setup
7. Getting started with the first web application programming

# Goal



## Industrial Applications



TIME

CAPABILITY

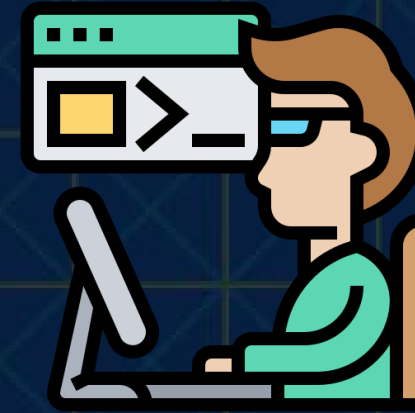




## What are Web Applications?



## What is Programming?



## 2. Why Web applications?



Run in Web browsers



Cross-Platform



Support various devices



Anywhere anytime










Ease for use

Market Needs/Trends



# 3. What are learning outcomes?



-  **Learn computer languages used for Web applications**
-  **Improve programming skills**
-  **Design and Develop (Beginner Level)**
  -  **Web applications**
  -  **Client-server applications**
  -  **IoT and IIoT applications**
  -  **Web-based 3D applications, Cyber-Physical systems, Digital Twins, etc.**

# 4. Where are the excellent learning resources?



w3schools.com



tutorialspoint.com



developer.mozilla.org



Self-Learning



Self-Practice

# 5. What are HTML, CSS, and JavaScript?



Hypertext Markup Language (HTML) is the markup language that we use to structure and give meaning to our web content, for example defining paragraphs, headings, and data tables, or embedding images and videos in the page.



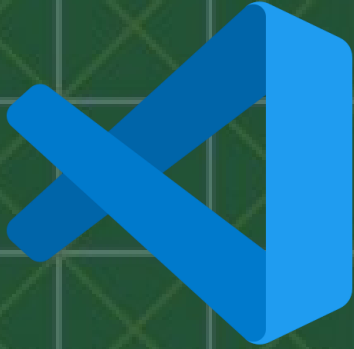
Cascading Style Sheets (CSS) is a language of style rules that we use to apply styling to our HTML content, for example setting background colors and fonts, and laying out our content in multiple columns.



JavaScript (JS) is a text-based dynamic programming language (scripting language) used for web development. It can create elements, update content, control multimedia, animate images, and much more.



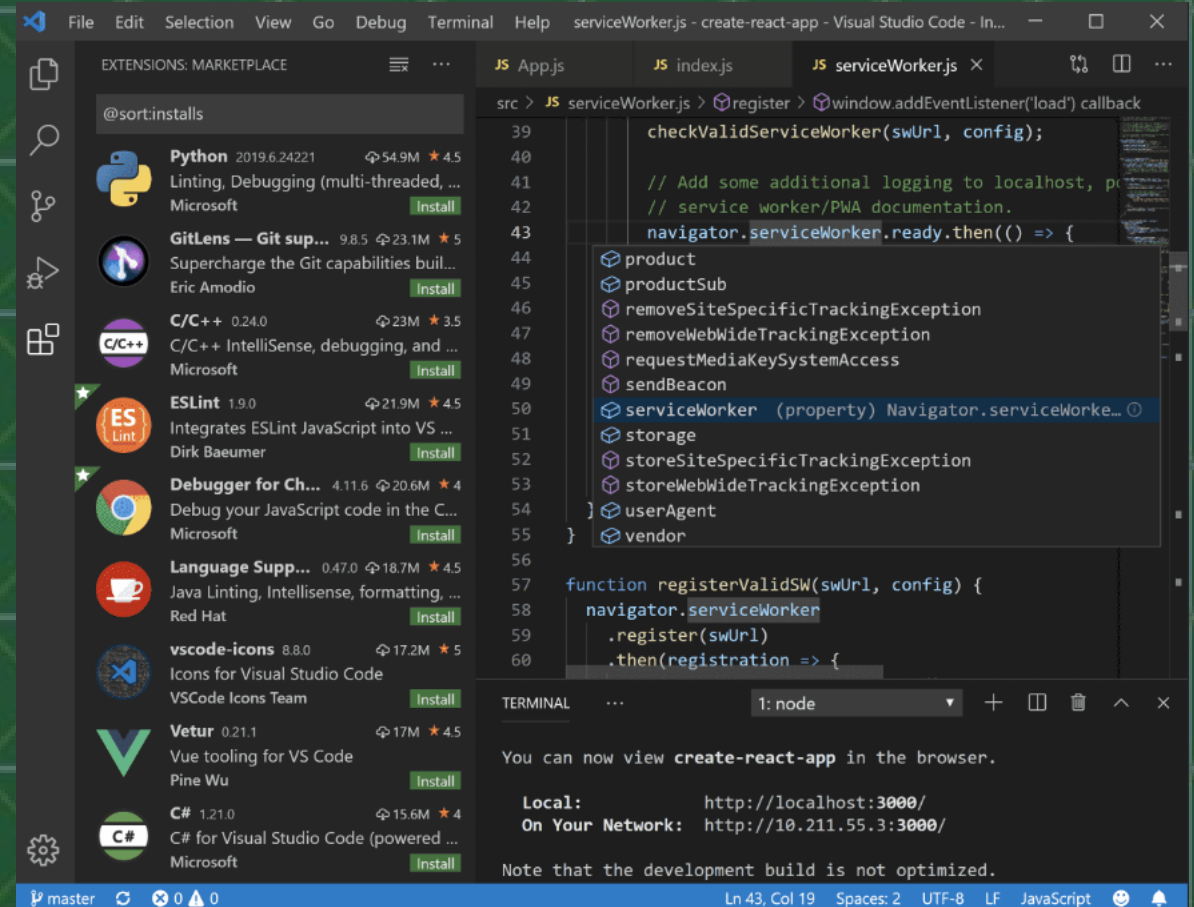
# 6. Development tools installation and setup



## Visual Studio Code



## Live Server





# Let's Code

