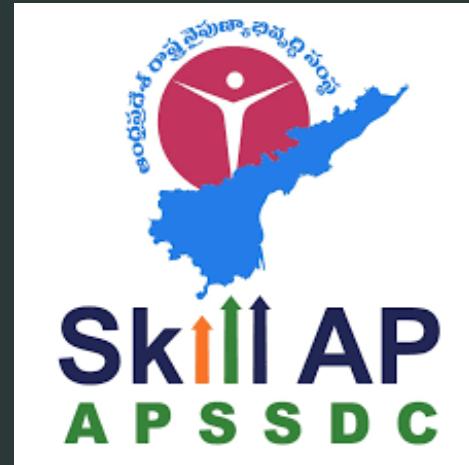
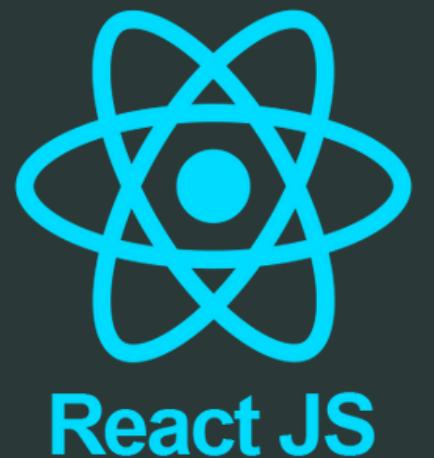


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30 DAYS MASTERCLASS



WEB DEVELOPMENT FULL STACK



**LIVE
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**4th JAN 23- 3RD FEB 23
7.00 - 7.45 pm**

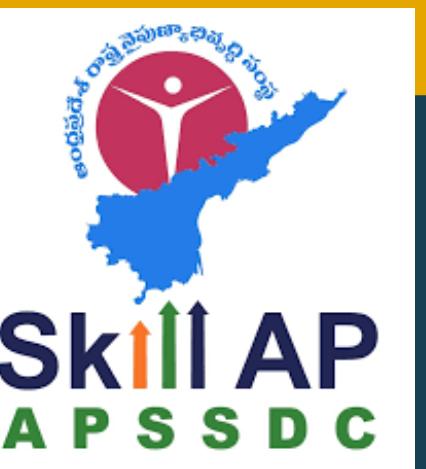




React js Overview and software installation

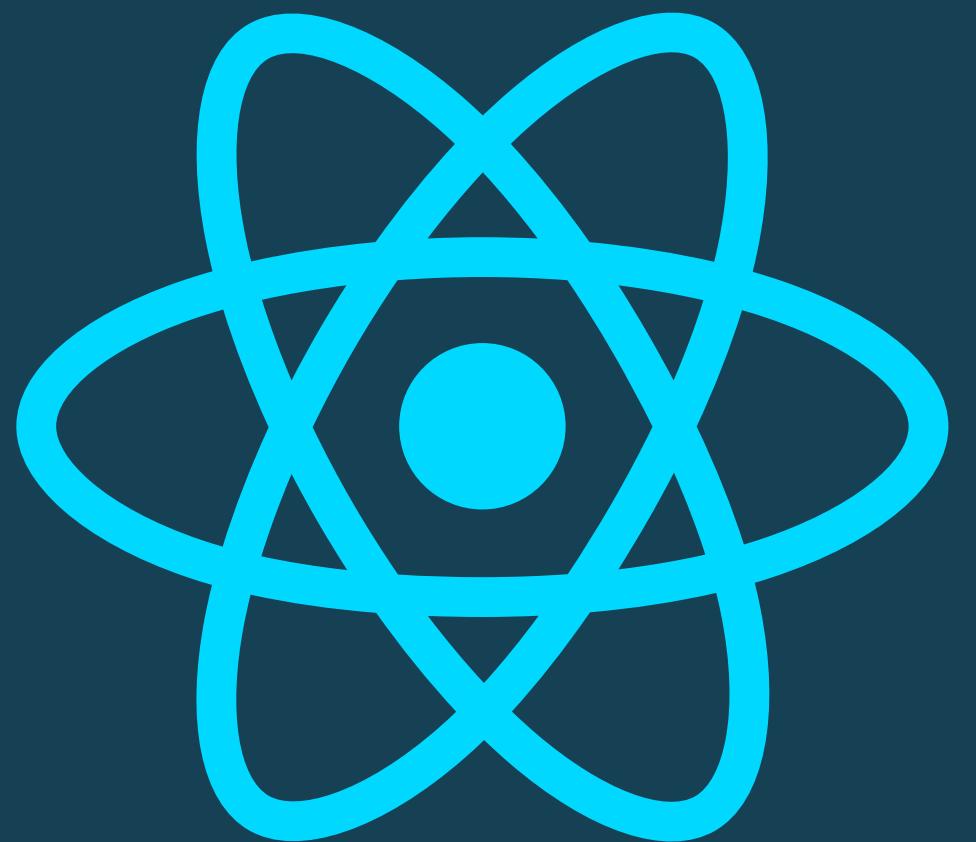
**DAY 3 - WEB DEVELOPMENT
MASTERCLASS**





REACT JS OVERVIEW :-

React is a library for building composable user interfaces. It encourages the creation of reusable UI components, which present data that changes over time. Lots of people use React as the V in MVC. React abstracts away the DOM , offering a simpler programming model and better performance.



React can also render on the server using Node, and it can power native apps using React Native. React implements one-way reactive data flow, which reduces the boilerplate and is easier to reason about than traditional data binding.



FEATURES OF REACT JS

JSX

unidirectional data flow

and flux

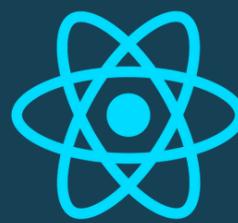
LICENSE

Components

FLUX

ADVANTAGES

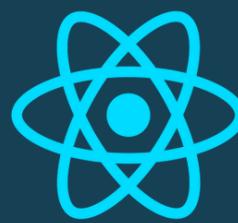
- Uses **Virtual DOM** which is a JavaScript object. This will improve apps performance, since JavaScript virtual DOM is faster than the regular DOM.
- Can be used on **Client and Server side** as well as with other frameworks.
- Component and data patterns improve readability, which helps to maintain larger apps.



React JS

LIMITATIONS

- Covers only the **view layer** of the app, hence you still need to choose other technologies to get a complete tooling set for development.
- Uses **inline templating** and **JSX**, which might seem awkward to some developers.



React JS

APPLICATIONS



Facebook



Instagram



Netflix



SOFTWARES REQD

VS CODE



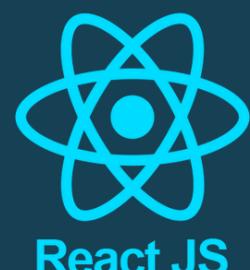
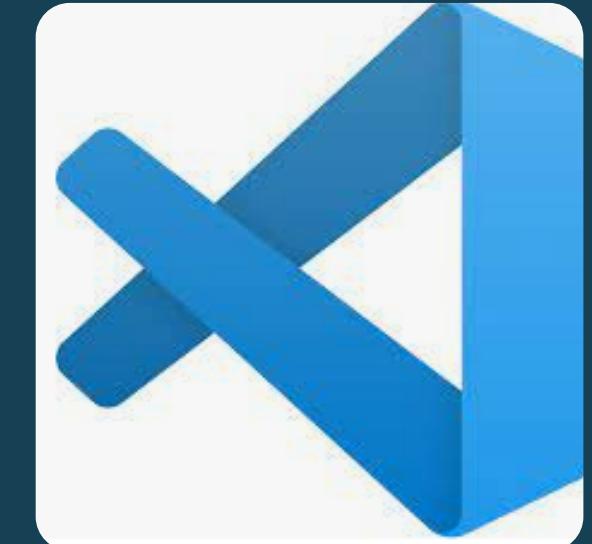
NodeJS



Xampp

VS CODE

- It is a popular **Open-source IDE** or editor for a popular programming language.
- It supports **Windows, Linux, and macOS**. By Default, support popular languages - **JavaScript,NodeJS,typescript** and **Nodejs**



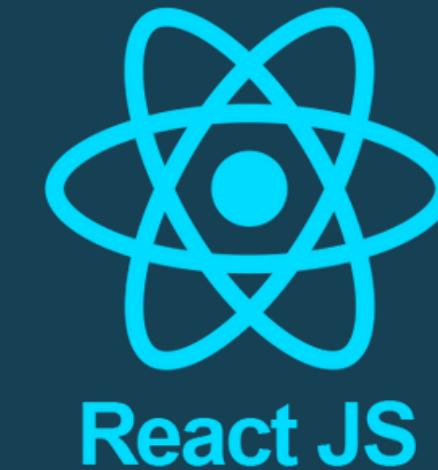
React JS

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FEATURES OF VS CODE:-

- Debugging
- Included GitHub support
- Syntax highlight
- Extend plugin support
- Inbuilt Debug Support
- Git Plugin
- SSH integration
- Terminal
- Code Snippets
- Code refactoring

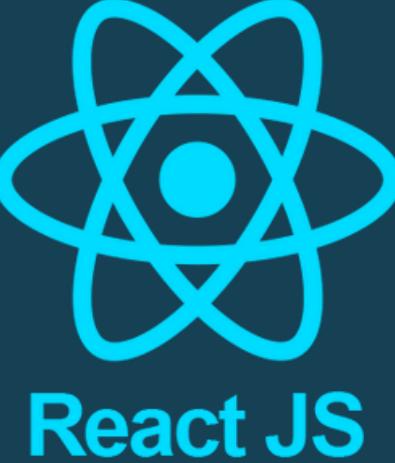




How to autosave code in Visual Studio Code editor?



VS CODE INSTALLATION

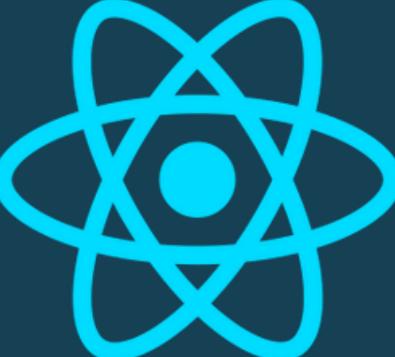


- How to install Visual studio code on Windows
- Go to the [VSCode Download][/https://code.visualstudio.com/download](https://code.visualstudio.com/download)) link.
- You can open it by selecting start -> All Apps - Visual Studio Code

You can choose 64-bit or 32 bit

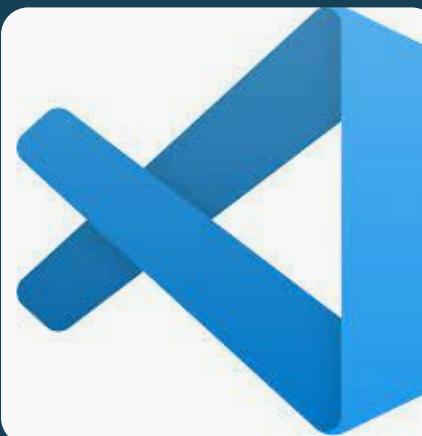
And It downloads VSCodeSetup-x64-x.x.x.exe to the local folder in a file system.





React JS

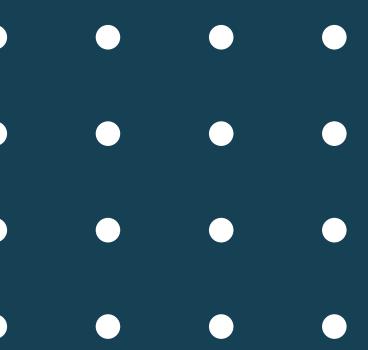
- '**Word Wrap**' is a feature that allows you to limit text content to a certain width on the row in the editor window.
- If you have a long line of text on a single line, for example, the user will have to scroll horizontally to see the content. With word wrap, the text is spread into multiple lines, and the content is limited to fit within the code window.
- Any editor provides this as a basic feature.
- **VSCODE supports word wrap.**



HAVE AN IMPORTANT
ANNOUNCEMENT TO
MAKE



8925533489



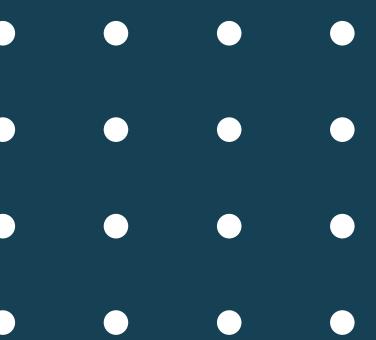
**YOU CAN CONVERT THIS
MASTERCLASS INTO A
CERTIFIED INTERNSHIP**

INTERESTED IN A 1 MONTH
APSSDC CERTIFIED
INTERNSHIP PROGRAM



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30 DAYS WEB DEVELOPMENT MASTERCLASS



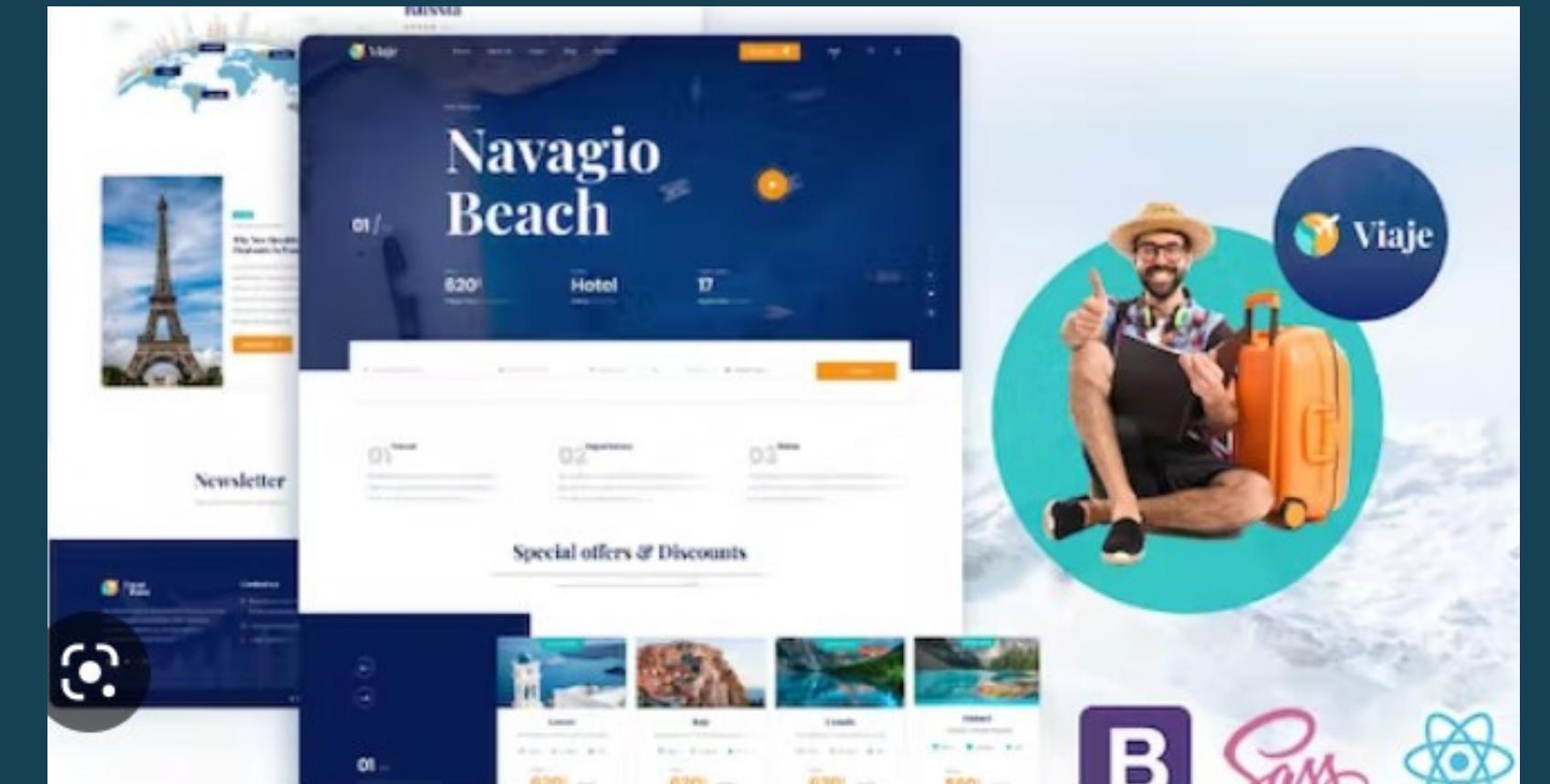
BENEFITS OF INTERNSHIP

- **30 DAYS OF LIVE SESSIONS**
- **90 DAYS OF ACCESS TO RECORDS**
- **8 + SOURCE CODES WEB DEVELOPMENT**
- **30 DOWNLOADABLE PRESENTATIONS**
- **6 MENTOR LIVE IN MASTERMIND SESSIONS**
- **APSSDC INTERNSHIP CONFIRMATION LETTER**
- **APSSDC INTERNSHIP CERTIFICATION**



PROJECTS YOU WILL LEARN TO DEVELOP

TOUR MANAGEMENT APPLICATION

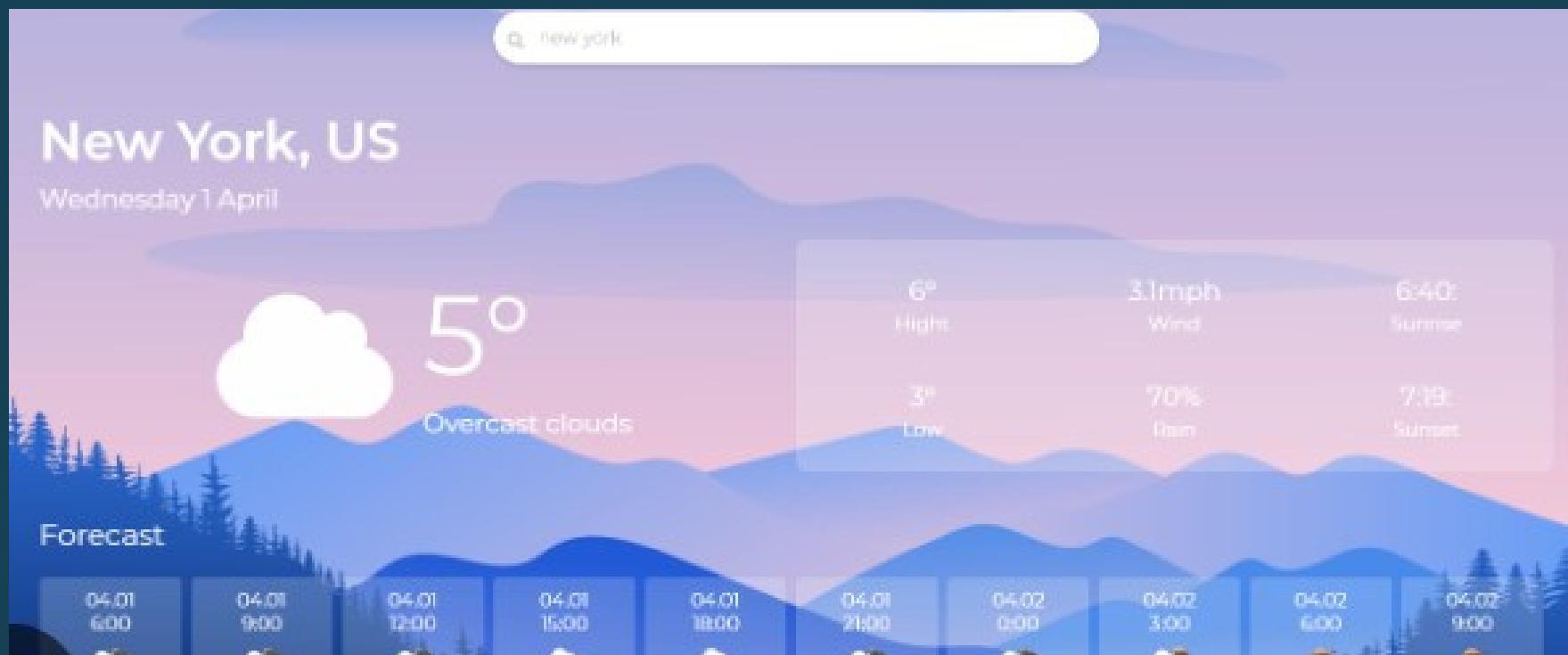


CHAT APPLICATION USING REACT JS

How to build a Real-time
Chat Application



PROJECTS YOU WILL LEARN TO DEVELOP

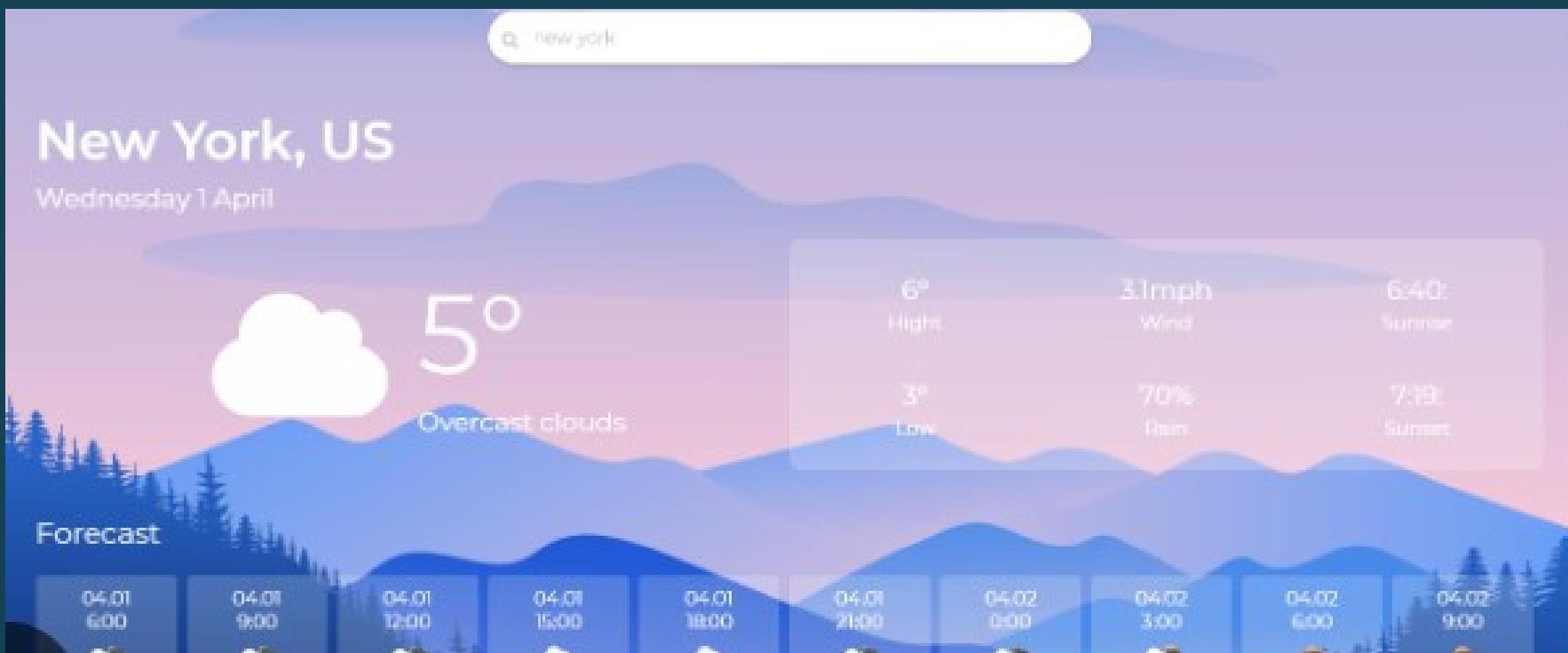


WEATHER
APPLICATION
USING REACT JS

QUIZ APPLICATION USING REACT JS

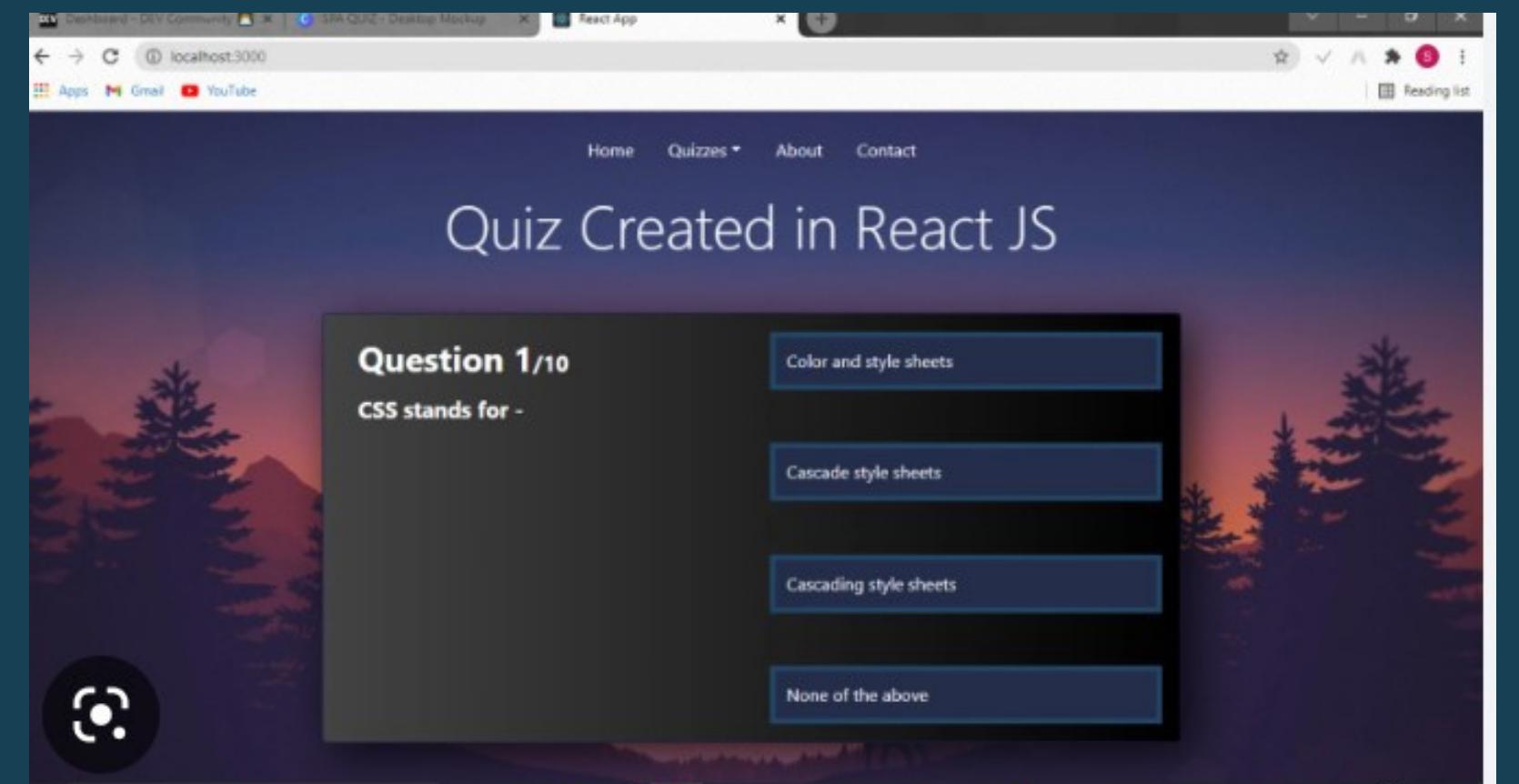


PROJECTS YOU WILL LEARN TO DEVELOP

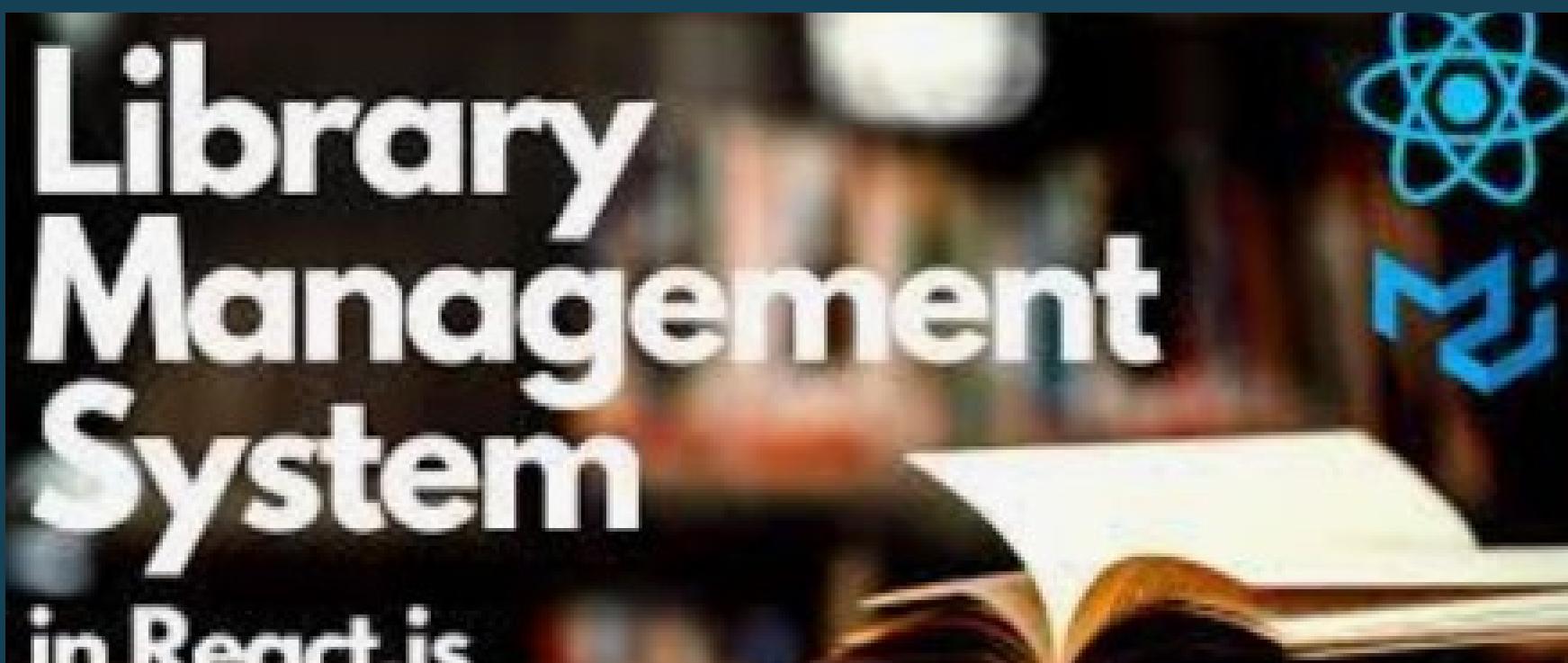


WEATHER APPLICATION USING REACT JS

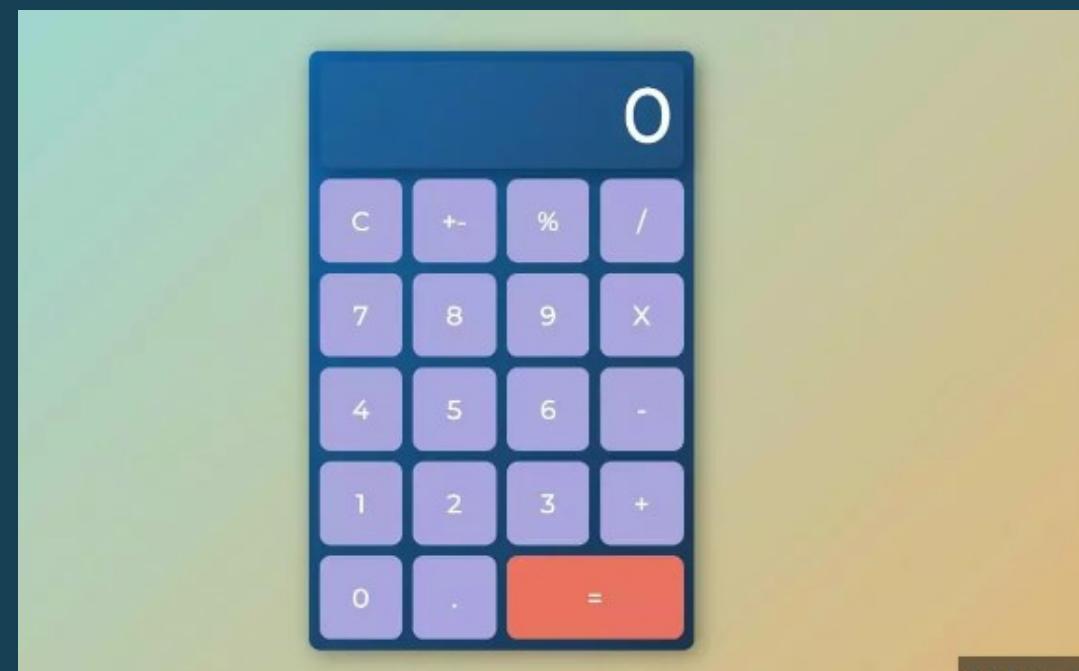
QUIZ APPLICATION USING REACT JS



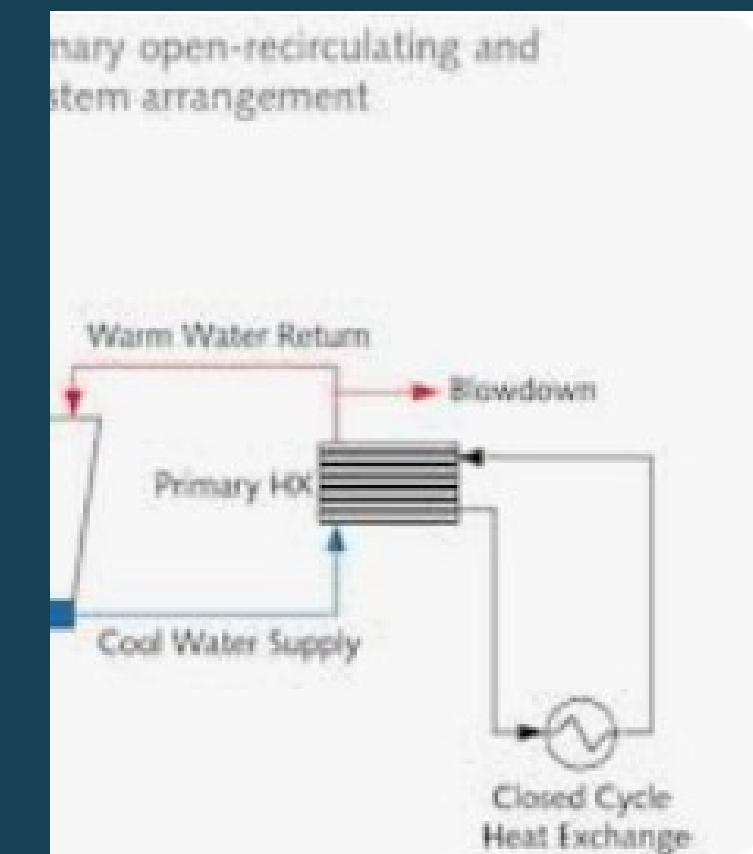
LIBRARY MANAGEMENT



REACT CALCULATOR



PROJECTS YOU WILL LEARN TO DEVELOP PLANT MANAGEMENT



**PROJECTS YOU WILL
LEARN TO DEVELOP**

**DEVELOP 8+ PROJECTS ALONG WITH ME , GET THE
SOURCE CODES FOR THE SAME AND LEARN TO
DEVELOP PROJECTS**



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REG LINK - '[HTTPS://IMJO.IN/8P5JRW](https://imjo.in/8P5JRW)

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Your Details > More Details > Payment

Name

Email

Phone Number

Discount Applied

WEBFS

REMOVE

Subtotal ₹1,999

Discount code applied -₹1,000

Total Amount ₹999

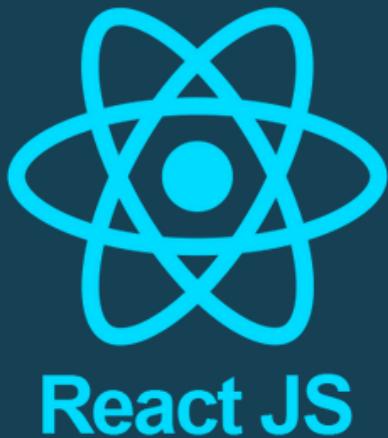


How to limit column limit with Word wrap in Visual Studio Code editor automatically



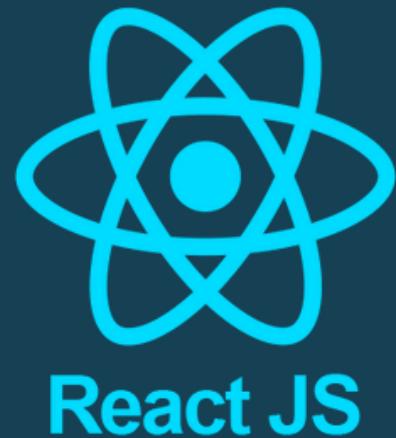
COLUMN LIMIT

- There are multiple ways, we can do this by configuring settings
- First, Using settings
- In the left bar, click on the manage icon > Settings
- Select Text Editor and the right side contains below options
Editor: Word Wrap - It enables how lines should wrap in a row
Editor: Word Wrap Column: 60 - Limit the column character length when word-wrap is enabled.
Editor: Wrapping Indent: It controls the indentation of wrapping lines



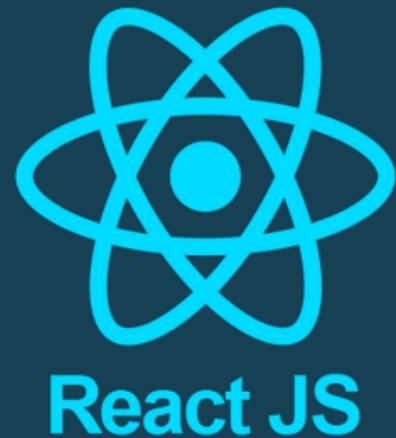
COLUMN LIMIT

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Editor: Word Wrap - It enables how lines should wrap in a row
Editor: Word Wrap Column: 60 - Limit the column character length when word-wrap is enabled.
Editor: Wrapping Indent: It controls the indentation of wrapping lines



COLUMN LIMIT

- The second way, use the Word Wrap option in **File Menu**.
- Following are steps to enable the Word Wrap.
- View >Word Wrap or use short cut Alt + Z
- This wraps the lines with a default limit of 80 characters.
- These changes are saved and applied to the editor permanently.



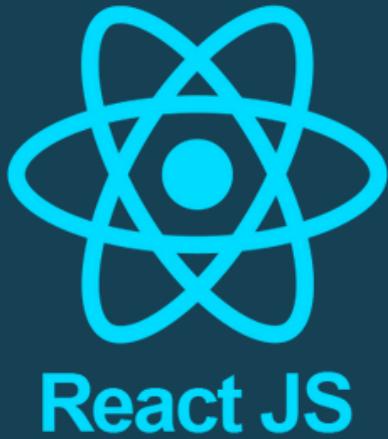


vScode - Duplicate Rows



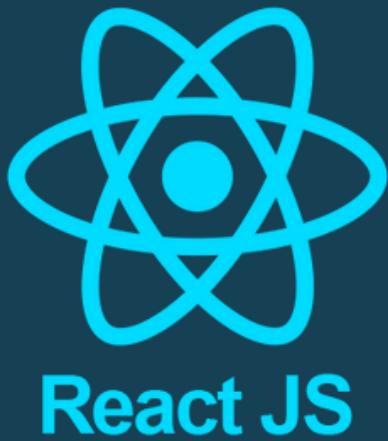
DUPLICATE ROWS

Different ways to create and delete Duplicate rows or lines in Visual Studio Code(VSCode) with detailed steps.



DUPLICATE ROWS

Different ways to create and delete Duplicate rows or lines in Visual Studio Code(VSCode) with detailed steps.



METHOD I

Go to Symbol Search using the below shortcut

Ctrl + Shift + O in Windows

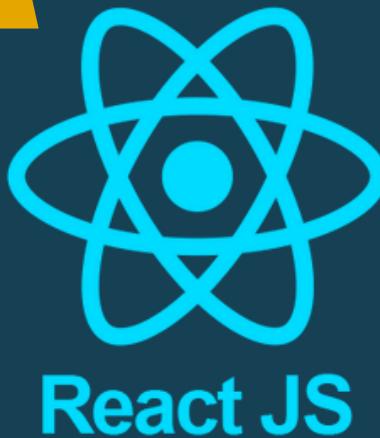
Cmd + Shift + O in Mac OS

It opens the Symbol Search popup

In the search box that starts with @ and type string, String is
method or class, interface, variables names

This Search method and others in a Currently opened file
Here is a shortcut to search methods for the files

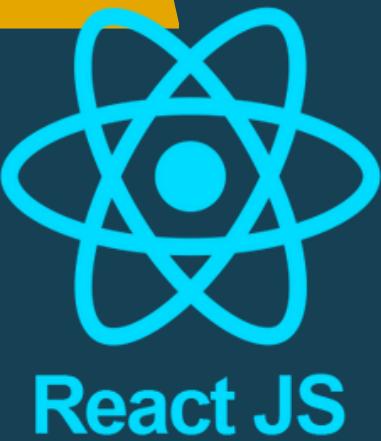
SEARCH FILES USING SYMBOL SEARCH





METHOD II

SEARCH FILES USING SYMBOL SEARCH



use command Ctrl + T.

Opens popup with a search box

Type # and method name

It lists out all matched method names and selects the
method name





METHOD III

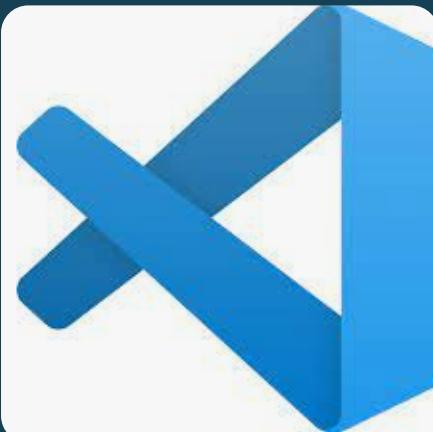
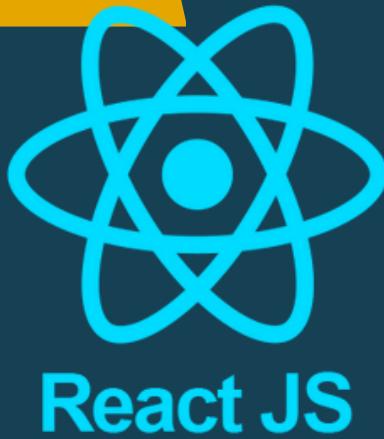
SEARCH FILES USING SYMBOL SEARCH

use Ctrl + P

Type string with @ or @:
you can give string as function,
methods,variables,constants,interface or classes.

Another way, using Code Outline

Select the file you want to see the methods
Left sidebar shows a tab Outline that lists out all methods of
an opened class.



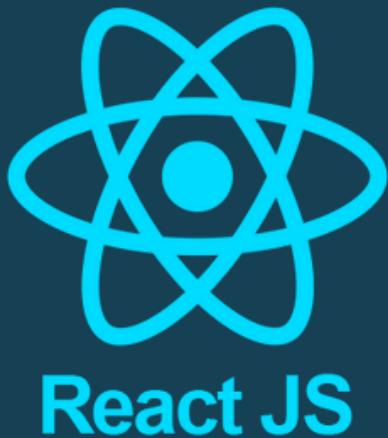


VScode - Windows



VSCODE - WINDOWS

Visual Studio Code is a popular **Open-source code IDE** and editor and it runs and supports all major Operating Systems.



In Windows, These can be installed on **32-bit, 64-bit, and ARM versions.**

.NET Framework 4.5.2 is a prerequisite for vscode.



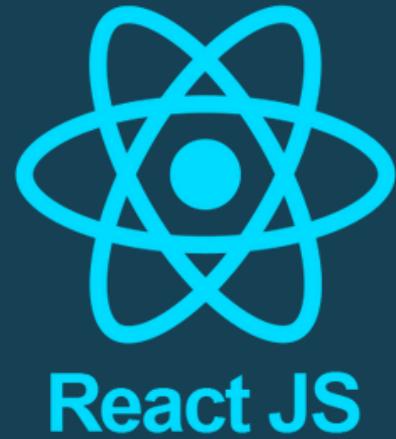


How to install and set up Visual Studio Code on Windows.



VSCODE - INSTALLATION

Here are the steps required to do the installation.



Find the System type of your windows,

Right Click on My Computers > Properties > Opens Settings
window

Click on the About tab on the right side > In the Device
Specifications section, It gives the System type 64-bit
operating system, x64-based processor.



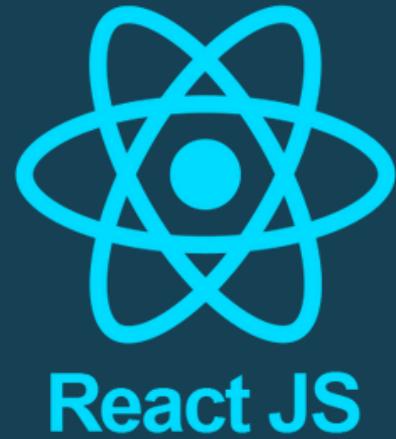
VSCODE - WINDOWS

First, Go to here to download the package.

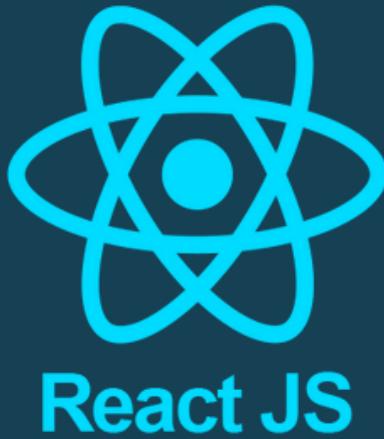
**It provides the following
user setup: not required administration permission, installs to Local
AppData folder C:\Users\{Username}\AppData\Local\Programs\Microsoft VS Code.**

**system setup: requires administration permission, install to program
files folder. C:\Program Files (x86)\Microsoft Visual Studio.**

**zip installer: Custom installation to install in the selected folder
Download the 64-bit package, If your machine is 32, please download
the 32-bit package.**



Downloads latest version VSCodeUserSetup-x64-x.xx.x.exe into local download folders, where x.xx.x replaces with the latest version.



**Click on this file and follow the steps
Check on I accept the agreement, Click on the next` button and follow
the steps**

Once all steps are done, It installs on windows successfully.

It installs to default location windows C:\Program Files (x86)\Microsoft Visual Studio.

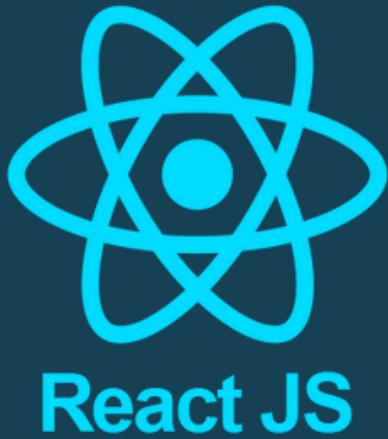




How to Run and Open Visual Studio Code from GUI and Windows



Select the windows key and type “Visual Studio Code” and
selects It opens VSCode in windows



Command line or Terminal:

Open the terminal or command line
Type code folder
It runs vscode editors and opens the folder in the editor.





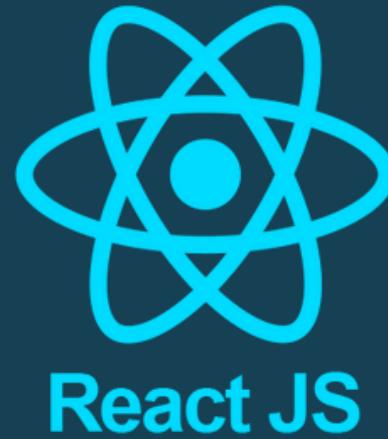
XAMPP SOFTWARE INSTALLATION





XAMPP is an abbreviation where
X stands for **Cross-Platform**,
A stands for **Apache**,
M stands for **MYSQL**,
Ps stand for **PHP and Perl**,

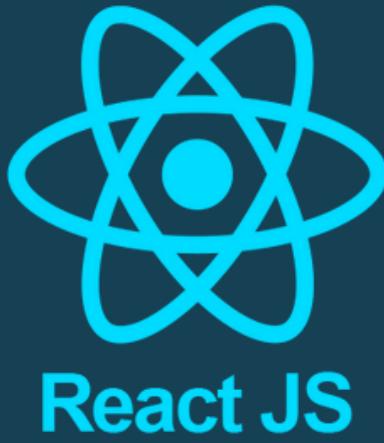
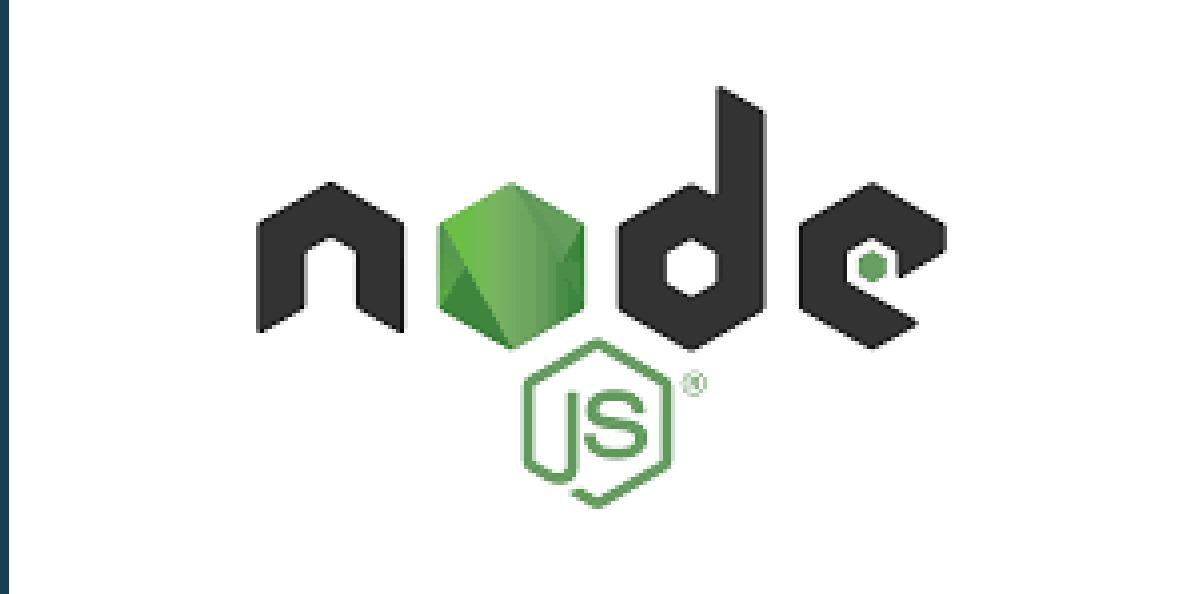
It is an **open-source package** of web solutions that includes
Apache distribution for many servers and command-line
executables along with modules such as **Apache server**,
MariaDB, **PHP**, and **Perl**.





NODE JS





Node.js is an open source server environment.

**Node.js allows you to run JavaScript on the
server.**

What is Node.js?



Node.js is an open source server environment

Node.js is free

**Node.js runs on various platforms (Windows,
Linux, Unix, Mac OS X, etc.)**

Node.js uses JavaScript on the server



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WHY NODE JS ?



Node.js uses asynchronous programming!

WEB SERVER REQUEST

A common task for a web server can be to open a file on the server and return the content to the client.

Here is how PHP or ASP handles a file request:

Sends the task to the computer's file system.

Waits while the file system opens and reads the file.

Returns the content to the client.

Ready to handle the next request.

Here is how Node.js handles a file request:

Sends the task to the computer's file system.

Ready to handle the next request.

When the file system has opened and read the file, the server returns the content to the client.

Node.js eliminates the waiting, and simply continues with the next request.

Node.js runs single-threaded, non-blocking, asynchronous programming, which is very memory efficient.



WHAT CAN NODE.JS DO?

Node.js can generate dynamic page content

Node.js can create, open, read, write, delete, and
close files on the server

Node.js can collect form data

Node.js can add, delete, modify data in your
database



WHAT IS A NODE.JS FILE?

- Node.js files contain tasks that will be executed on certain events
- A typical event is someone trying to access a port on the server
- Node.js files must be initiated on the server before having any effect
- Node.js files have extension ".js"



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Your Details > More Details > Payment

Name

Email

Phone Number

Discount Applied

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Subtotal ₹1,999

Discount code applied -₹1,000

Total Amount ₹999



ANY QUESTIONS

??



Thank You