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GitHub link: https://github.com/kunisettysarath/WebMobileProgramming-Spring22/tree/main/WebDevelopment/ICP's/ICP3

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GitHub link: <https://github.com/Dharmateja183/Web-and-Mobile-programming-spring-2022/tree/main/Webpart/ICP2>

**ICP 3**

**Objective:**

The objective of this ICP3 is to understand what is a responsive webpage and basics of javascript by building a **responsive webpage** and **Rock Paper Scissor game**.

**Rock Paper Scissor:**

**Javascript (JS):**

A typical website which is just built on CSS and HTML will not be interactive, so inorder for website to be interactive for the users, the javascript is used where the user can provide some details and the website will render the data and will give a response back to the user based on the request.

Javascript is a programing language which is widely used across the globe and been ranked as most used programing language for web development. It can be used both on client side and server side. Few of the usescases of using javascript are “Drop down menu”, “enabling and disabling web elements based on the requirement”, etc.

**Tasks:**

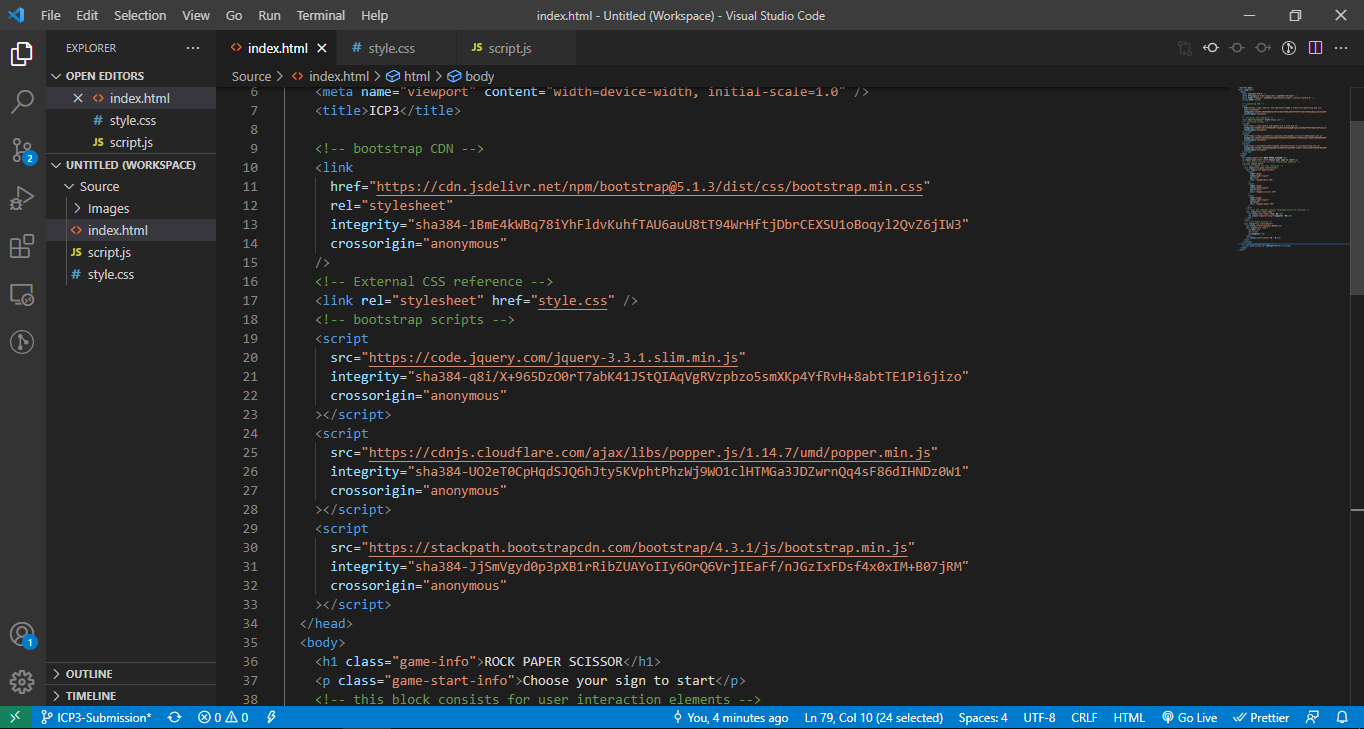
* Created “ICP3-submission” branch in the remote repository and have checkout to that branch using GitHub desktop
* Then required folders for source and documentation was created for icp2 and the source folder was imported in VS code
* Have create index.html, style.css, script.js and images and placed all the images in the folder

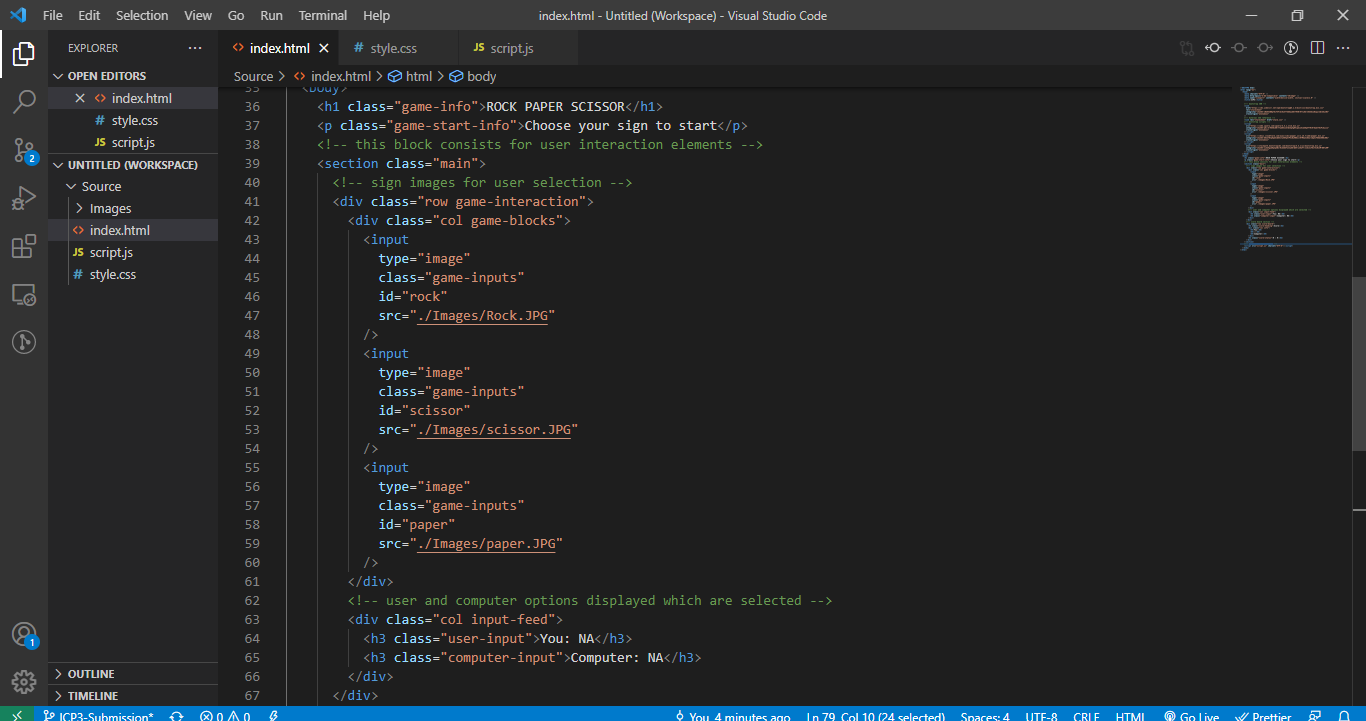
**How to play the game:**

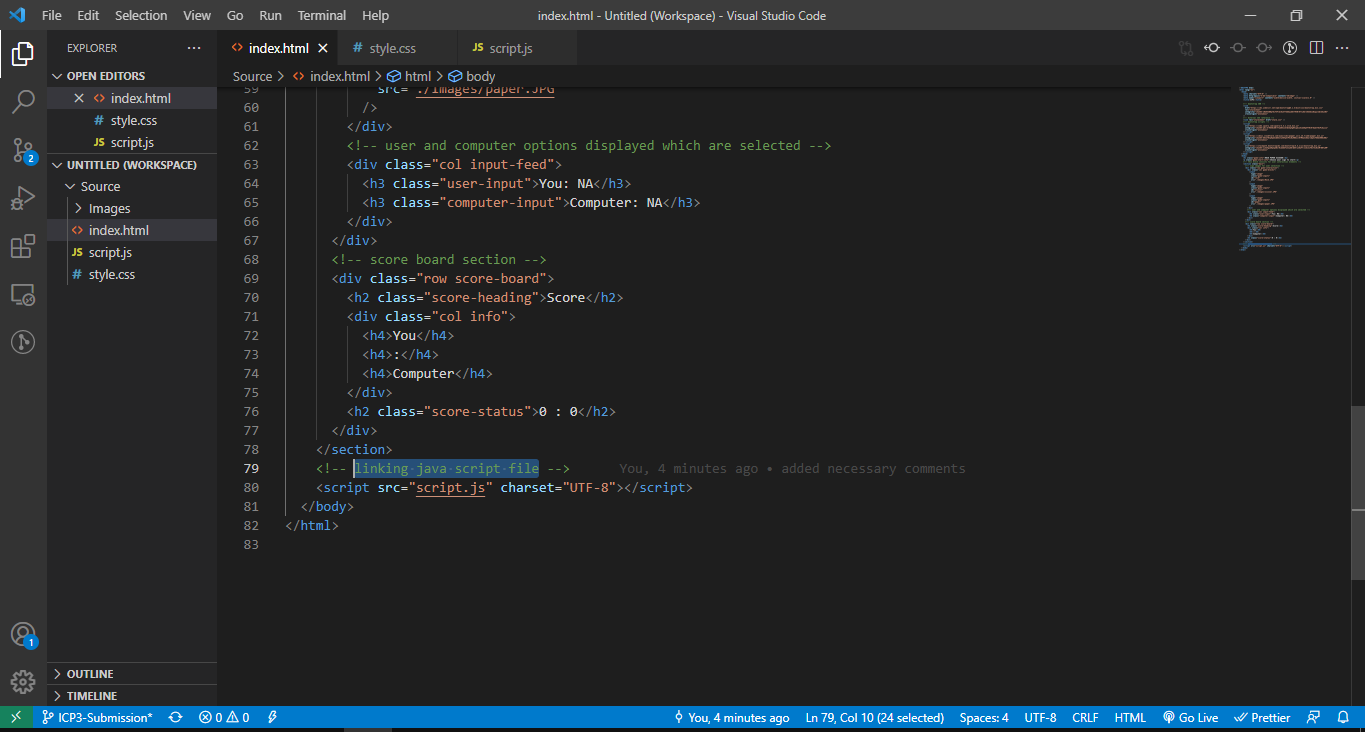
* Once the webpage is loaded user has to click on any of the sign inorder to start the game
* And based on the users input and the generated random computer input the winner is decided and the same is displayed at the top of the webpage
* The score streak is also calculated and is displayed the number of wins of the user and computer on the webpage
* User has to refresh the page if the game has to be restarted

**Index.html:**

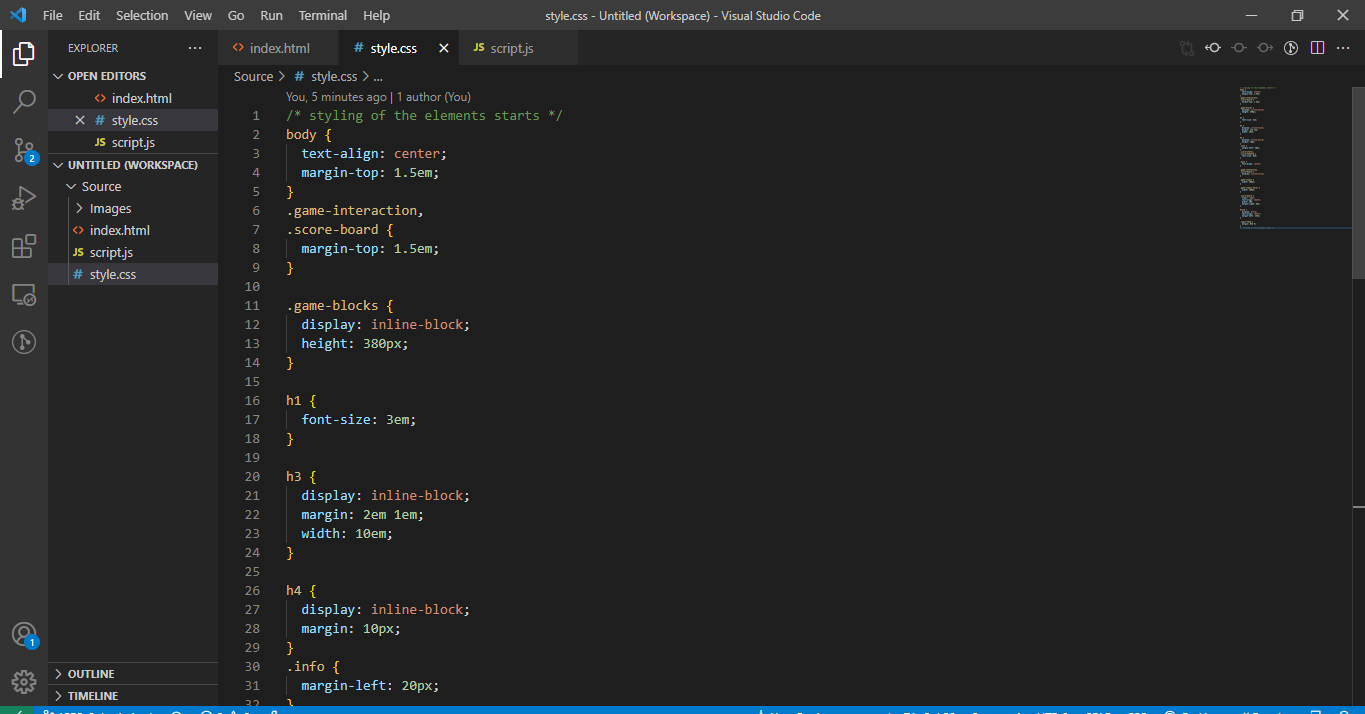
Added all the links for the required resources like external css sheet, bootstrap and javascript(please refer the screenshot below)





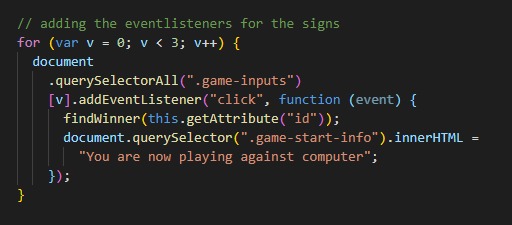


**Style.css:**

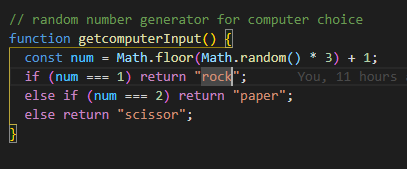


**Script.js:**

The **for loop** adds the click events for 3 sign images



Random generator is used to get a random number from 1 to 3 and based on that I have assigned a sign which will be referred as a computer choice.



The main logic is enclosed in this method, which is invoked based on the events recorded. And the winner is decided and the respective winner is passed to the webpage and score is calculated.



**Output:**



