React Assignment:1

- 1. Install NodeJs, Visual studio code
- create a Welcome component to greet the user using a javascript function, with a property called as name. Apply some css styling. Use the component in App component.

Welcome.js

App.js

Output:



3. Create a Component to add two numbers.

Add.js

App.js

Output:



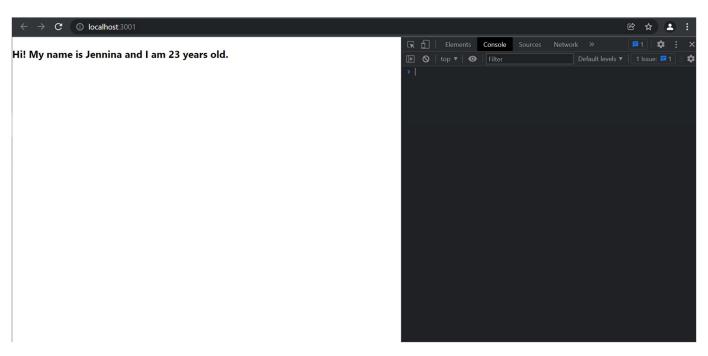
4. Modify the card component to add a props age and perform the validation, to check it's a number.

Card.js

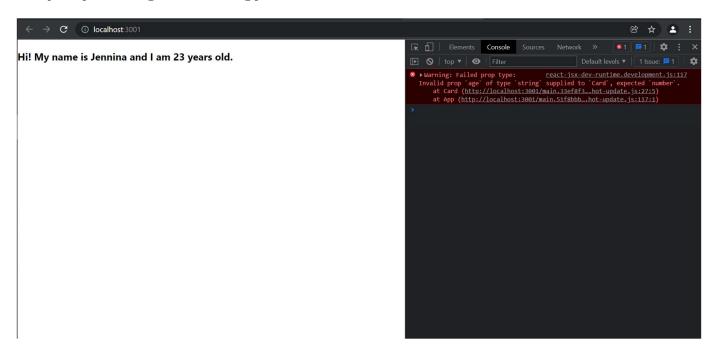
App.js (when age is a number)

App.js (when age is a string)

Output (when age is a number)



Output (when age is a string)



5. What is Virtual DOM in ReactJS

Virtual DOM is just a copy of the original DOM kept in the memory and synced with the real DOM by libraries such as ReactDOM. This process is called Reconciliation.

If there is a update in the virtual DOM, React compares it with the virtual DOM snapshot that was taken right before the update. This way React figures out exactly which virtual DOM objects have changed. This process is called Diffing.

Once React knows which virtual DOM objects have changed, then React updates those objects, and only those objects, on the real DOM. Therefore, React only updates the necessary objects needed.