**Day 7:**

**Component communication:**

Component relationship

1. Parent to child for div, h1 and p are children tags
2. Child to parent for h1 div is parent and for p div is parent
3. Sibling relationship h1 and p are sibling tags.

<div>

<h1>This is heading tag</h1>

<p>First Paragraph tag </p>

</div>

Parent -🡪Component : inside a parent component JSX if we use child1 component as well as child2 component. Then child1 and child2 are children for Parent component. Child1 and Child2 are sibling.

Child1 -🡪 Component

Child2 -🡪 Component

1. Parent to child: -🡪 if parent component contains any state variable. If we want to pass the value from parent to child. We can use props concept. (props drilling)
2. Child to parent:-> if child component contains any state variable. If we want to pass this value to parent component. then we need to use props with callback function concept.
3. Child1 to child2 or vice-versa 🡪 if child1 contains some state variable. If we want to use that state variable in child2 component. Child1 need to pass the value to parent using props with callback and parent will pass this value to child2 using props. (props lifting).

npx create-react-app react-component-communication

cd react-component-communication

open the project in VS code

npm start

**Creating another react js project with component communication concept.**

**npx create-react-app react-rating-app**

cd **react-rating-app**

**open the project in VS code**

**npm start**

**App --🡪 root component**

**RatingApp** -🡪 Parent Component

**RatingSelector** --🡪 \* \* \* \* \* (user can select the rating)

This component send the user rating details to parent using props with callback

**RatingSummary** -🡪 display rating summary (receive the rating details from rating selector and pass to rating summary component using props concept.)