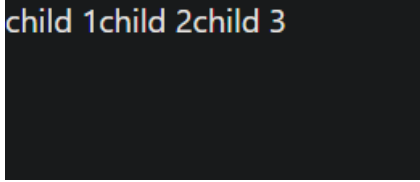
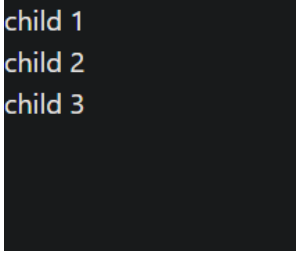


Things to know in a frontend framework

Flex, Grids, Responsiveness, background color, hover



Without flex

With flex

Refer slides for more

```
function App() {  
  return <div>  
    /* <div style={{display: "flex", justifyContent:"space-between"}}> */  
    <div className="flex justify-between">  
      <div>  
        child 1  
      </div>  
      <div>  
        child 2  
      </div>  
    </div>  
  </div>  
}
```

Writing the same thing in short method us ts

Grids:

```
1 export default function Test() {  
2   return <div className="grid grid-cols-12">  
3     <div className="col-span-5" style={background: "green"}>  
4       Hi there from the first div  
5     </div>  
6     <div className="col-span-3" style={background: "red"}>  
7       Hi there from the second div  
8     </div>  
9     <div className="col-span-2" style={background: "pink"}>  
10      Hi there from the third  
11    </div>  
12  </div>  
13 }  
14
```

Responsiveness

```
return (  
  <div className='sm:bg-blue-300 bg-red-300'>  
    hi there  
  </div>  
)
```

In this the one with no prefix is the default one and one with the prefix is like small to larger screens

Breakpoint prefix	Minimum width	CSS
`sm`	640px	`@media (min-width: 640px) { ... }`
`md`	768px	`@media (min-width: 768px) { ... }`
`lg`	1024px	`@media (min-width: 1024px) { ... }`
`xl`	1280px	`@media (min-width: 1280px) { ... }`
`2xl`	1536px	`@media (min-width: 1536px) { ... }`

Replace div with span so that the button is not elongated and is shown properly like a button

Display-hidden means that fully gone and visibility means just hidden but its there

If written like bg-red-500 md:bg-green-100 means after the md break point it will be green

Sidebar making

```
2 export function SidebarClass1(){
3   return <div className="flex ">
4     <div className="transition-all ease-in-out delay-10 h-screen w-0
5       md:w-96 ">
6       Sidebar
7     </div>
8     <div className="bg-green-800 w-screen h-screen">
9       Content
10    </div>
11  }
```

```
function MainContent(){
  return <div className="w-full">
    <div className="h-30 bg-black"/>
    <div className="grid grid-cols-10 gap-8 p-8">
      <div className="h-96 rounded-2xl shadow bg-red-200 md:col-span-2
        -translate-y-24 shadow-xl outline-none col-span-11 hidden md:block">
        </div>
      <div className="md:col-span-5 col-span-11">
        <div className="font-bold">
          <div>
            Monday, 14 October
          </div>
          <hr />
          <div className="font-bold text-2xl">
            Good morning, Prabhleen!
          </div>
          <hr />
        </div>
      <div className="h-96 rounded-2xl shadow bg-green-200
        shadow-xl">
        </div>
    </div>
  </div>
}
```

For hiding a box in mobile but shown in laptop

For toggling dark mode(ugly method)

```
1 import { useState } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5 import { SidebarClass1 } from './assets/components/basic-project'
6
7
8 function App(){
9   // return <div>
10  //   <SidebarClass1 />
11  // </div>
12  const [darkMode, setDarkMode] = useState(true);
13  return <div>
14    <div className={`h-screen ${darkMode ? "bg-white" : "bg-blue-800"}>
15      <button onClick={() => setDarkMode(!darkMode)}>Toggle Theme</button>
16    </div>
17  </div>
18 }
19
20 export default App
21
```

```
function App(){
  // return <div>
  //   <SidebarClass1 />
  // </div>
  return <div>
    <div className="h-screen bg-white dark:bg-blue-800 text-black
      dark:text-white">
      <button onClick={() => {
        document.querySelector("html").classList.toggle("dark")
      }}>Toggle theme</button>
    </div>
  </div>
}

export default App
```

Better approach

Padding helps in bringing gaps between the two div or elements

Grid helps in align

Translate helps in alligining

Hero icons for icons and copy the svg

Custom hook – Media query which helps to identify the resolution of the window and returns true or false based on the limit we gave