**[NOTES] Destructing Obj in JS for React purpose**

// Step 1: We have an object with person's data

const person = {

  name: "Anna",

  age: 30,

  city: "Warsaw"

};

// Step 2: Traditional way of accessing properties

console.log("Traditional way:");

console.log(person.name);    // Anna

console.log(person.age);     // 30

console.log(person.city);    // Warsaw

// Step 3: Object destructuring

const { name, age, city } = person;

// Step 4: Using destructured variables

console.log("\nAfter destructuring:");

console.log(name);    // Anna

console.log(age);     // 30

console.log(city);    // Warsaw

// Step 5: Destructuring with default values

const { name: myName = "John", occupation = "Programmer" } = person;

console.log("\nDestructuring with default values:");

console.log(myName);      // Anna (will use the value from the object)

console.log(occupation);  // Programmer (will use the default value)

// Step 6: Destructuring in a function (as in React)

function showPerson({ name, age = 25 }) {

  console.log(`\nName: ${name}, Age: ${age}`);

}

showPerson(person);  // Name: Anna, Age: 30

showPerson({ name: "Mark" });  // Name: Mark, Age: 25 (will use the default value)