Day1 ES.Next

1. const colors = ["red", "green", "blue", "yellow"];

   a. Destructure the first two colors into variables `primary1` and `primary2`.

   b. Use the rest syntax to store the remaining colors in `otherColors`.

2. Create a function called `welcomeUser` that takes two parameters:
   - `name` (string)
   - `role` (string, default value = `"Guest"`

   ➤ The function should return:
   `"Welcome [name]! Your role is [role]."` using template literal

   welcomeUser("Ali") // "Welcome Ali! Your role is Guest."

   welcomeUser("Sara", "Admin") // "Welcome Sara! Your role is Admin."

3. Make a function that takes a user object and a new password string. The function should replace the password with the new value given and add new key “updated” that will be true then return the user after updating. (use spread operator in the function)

   user = { name:”Ali” , password:”123” }

   updateUserPassword (user , "456asd"))

   → { name:”Ali” , password:”456asd” , updated: true }

4. const students = [
   { name: "Ali", age: 20, grade: 85 },
   { name: "Sara", age: 22, grade: 92 },
   { name: "Omar", age: 20, grade: 76 },
   { name: "Laila", age: 21, grade: 95 },
   { name: "Youssef", age: 22, grade: 60 }
   ];

- map() Create a new array that contains only the student names in uppercase.
- filter() Create a list of students who scored above 80.
- find() Find the first student who is exactly 20 years old.
- some() and every() Check if any student scored less than 65. Check if all students are older than 18.
- Loop through the `upperNames` array and print each name using forEach() and for of

5 -search from() method in array