**JS Preview**

**1- Destructuring Objects and Arrays**

* **Same property in object should be same new variable.**

***const book = getBook(1);***

***const { title, author, genres, pages, publicationDate, hasMovieAdaptation } =* *book;***

* **Take array elements by order.**

***const [primaryGenre, secondaryGenre, ...otherGeners] = genres;***

***console.log(primaryGenre, secondaryGenre, otherGeners);***

**- Rest / Spread Operator**

***const [primaryGenre, secondaryGenre, ...otherGeners] = genres;***

***// Adding new Array Element***

***const* newGenres = [...genres, "epic fantasy"];**

***const* updatedBooks = {**

**...book,**

***// Adding new property***

**moviePublicationDate: "2001-12-19",**

***// Overwriting existing property***

**pages: 1210,**

**};**

**- Template Literals**

***const* getYear = (date) => date.split("-")[0];**

***const* summary = `${title}, a ${pages}-page long book, was written by ${author} published in ${getYear(**

**publicationDate**

**)}. the book has${hasMovieAdaptation ? "" : "not"} been adapted as a movie `;**

**- Ternaries**

***const* pagesRange = pages > 1000 ? "Over a thousand" : "Less than a thousand";**

**console.log(`The book has ${pagesRange} pages`);**

**- Arrow Functions**

***// Regular Functions***

**function getYear(date) {**

***return* date.split("-")[0];**

**}**

***// Arrow Functions***

***const* getYearEx = (date) => date.split("-")[0];**

**console.log(getYearEx(publicationDate));**

**console.log(title, author);**

**- use instead of || operator and ignore 0 OR '' value.**

**- Falsy Values in JS : null ,Empty String ,undefined ,0.**

**- To check null or undefiend of optional object chaining.**

**- optional chaining: .? to check null of value before access next property>**