

Typescript

Day2 lab

1. Create a class `BankAccount` with a private `balance` property. Add a `deposit(amount: number): void` method to add money to the balance and a `getBalance(): number` method to return the balance. Create an instance, deposit money, and log the balance.
2. Create a generic function that takes an array of any type and returns a new array with the elements in reverse order. Call this function with a number array and a string array, then log the results.
3. Create a class `User` with `name` and `age` properties. Use an interface `HasID` that requires an `id` property. Implement `HasID` in `User` and add a method `getDetails()` that returns the user's details as a string. Create a subclass `Admin` that extends `User`, adds a `role` property, and overrides `getDetails()` to include the role. Use access modifiers to make `id` private, `name` protected, and `role` public. Create instances of `User` and `Admin`, then log their details.
4. Create a class `PostService` with a method `fetchPosts()` that fetches posts and show them in the console, make interface of `Post` and use the fake API: <https://jsonplaceholder.typicode.com/posts>
5. Bouns (Search): Make "main.ts" file and export all functions and classes on it.