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What is the specific **npm command** used to install the TypeScript compiler globally on your machine?

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How do you define a **Type Alias** for a value that is permitted to be either a `string` or a `number`?

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What is the primary difference between an interface and a type regarding "**declaration merging**"?

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In the `tsconfig.json` file, what specific behavior is enforced when the `noImplicitAny` flag is enabled?

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How do you mark an object property as **read-only** to prevent its value from being changed after initialization?

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What is the purpose of the **never type**, and in what kind of function would it typically be used as a return type?

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How does the **optional chaining operator (?.)** function, and how does it improve code safety compared to standard dot notation?

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In terms of type safety, what makes the **unknown type** different and safer than the **any type**?

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What are **Generics**, and how do they allow developers to create reusable components while maintaining strict type checking?

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How do you use the **keyof operator** to extract the property names of an existing interface as a union of string literals?

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