## 10 Advanced Typescript Questions

1. What does the 'omit' type do?

Ans: - It's a new type Where you can define some properties to be excluded from the original type.

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type Person = { name : string;

age: number; location: string; };

type Quantum Person = Omit < Person, 'location' >; // same

as next line

Quantum Person = { name : string;

age: number; };

2. When to use the 'declare' keyword?

Ans: - When using a Javascript library Which doesn't have declarations, inside your Typescript project.

declare const library Name; Example: 3. How to get automatically 'declaration' files ? - ANKITA TRIPATHY Ans: - Set the declaration compiler option on true in the tsconfig. ison. Example: " compiler Options": { "declaration": true, 4. How to overload a function? Ans: - Use the same function name again above the original function without the brackets { }. Change the number of arguments, the argument types or/ and the return-type.

Example:function add (x: string, y:string):string; function add (x: number, y: number): number { return x + y; 5. How to easily make all properties of an interface optional ? -ANKITA TRIPATHY Example:interface Person { name : String; age: number; type Partial Person = Partial (Person); // Same interface Partial Person { name ? : String; age ? : string;

6. Where can decorators be applied to ?

Ans: Classes, properties, methods, and method arguments.

Example:

@MyClass Decorator export class Person {

@MyProperty Decorator myProperty: string;

7. What does the 'Record' type do?

Ans: It allows us to create a typed map.

Example:

let Person = Record (string, rrumber > = { } Person.age = 25;

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8. How can you access classes outside the module they are defined in?

Answer- Use the export keyword in front of the class.

Example:

export class Person { }

9. When to use the 'unknown' keyword?

Ans: - When you don't want to use the any keyword or/and don't know the exact type up front but want to assign it later on.

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Example:

let person: unknown = 'John';

if (type of person === string) {

let name: string = person;

}

10. What is a 'map' file, and why/ how can you use it ?

Ans:- The map file is a source map file that can be used when you want to debug. It can be generated by setting the source. Map compiler option on true in the tsconfig. ison.

Example :-

"compilerOptions": {

"sourceMap": true,
}

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