

35 TypeScript Interview Questions to Hire Top Developers

Questions

1. What are the main benefits of using TypeScript over JavaScript?
2. Can you explain the difference between 'interface' and 'type' in TypeScript?
3. How does TypeScript handle null and undefined values differently from JavaScript?
4. What is a union type in TypeScript and when would you use it?
5. Explain the concept of generics in TypeScript and provide a simple example.
6. How do you implement inheritance in TypeScript?
7. What are decorators in TypeScript and how are they used?
8. Can you describe how to use async/await in TypeScript?
9. What is the purpose of the 'never' type in TypeScript?
10. How do you handle module resolution in TypeScript projects?
11. Can you explain what type inference is in TypeScript?
12. What is the key difference between 'any' and 'unknown' types in TypeScript?
13. How does TypeScript help in catching errors early compared to JavaScript?
14. What do you understand by 'type guards' in TypeScript?
15. Can you explain what 'TypeScript's type assertion' is and when you might use it?
16. How does TypeScript's 'readonly' modifier work?
17. What are the advantages of using TypeScript in a [React] (<https://www.adaface.com/blog/skills-required-for-react-js-developer/>) project?
18. What is the difference between 'undefined' and 'void' in TypeScript?
19. How can you create a tuple type in TypeScript, and when would you use it?
20. What are mapped types in TypeScript, and can you provide an example?
21. Can you explain how to use the 'keyof' operator in TypeScript?
22. What is the purpose of the 'as const' assertion in TypeScript?
23. How does TypeScript support type aliases, and when would you prefer them over interfaces?
24. What are conditional types in TypeScript, and how can they be beneficial?
25. Can you describe how to create and use a discriminated union in TypeScript?
26. How does TypeScript allow for strict null checks, and why is that important?
27. What is the role of the 'Pick' and 'Omit' utility types in TypeScript?
28. How does type inference work in TypeScript, and why is it beneficial?
29. Can you explain how type inference works with const declarations in TypeScript?
30. How does TypeScript infer return types for functions?
31. What is contextual typing in TypeScript and how does it relate to type inference?
32. How does type widening work in TypeScript, and when might it occur?
33. Can you explain how TypeScript infers types in array and object destructuring?
34. How does TypeScript handle type inference in generic functions?
35. What is the 'noImplicitAny' compiler option in TypeScript, and how does it affect type inference?