.**Net core interview questions.**

1. **What is the core difference between .net and .net core?**
2. **What are service lifetimes in .NET Core?**
3. **What do you know about .NET Core middleware?**
4. **Are ASP.NET Core and .NET Framework compatible?**
5. **Explain the concept of dependency injection in .NET Core. How does it differ from other dependency injection frameworks you have used?**
6. **How can you utilize the .NET Core CLI for developing, building, and deploying applications?**
7. **How do you secure your .NET Core applications? Discuss the different authentication and authorization mechanisms available.**
8. **How do you implement exception handling and logging in .NET Core applications?**
9. **What is meant by state management?**
10. **what is Docker?**

### **What are the various ways to manage errors in .NET Core for web APIs?**

##### **How do you create custom middleware?**

##### **How do you Register Services in ASP.NET Core**

##### **Explain the differences between transient, scoped, and singleton services.**

##### **Explain the differences between JWT, OAuth, and OpenID Connect.**

##### **What is Entity Framework Core?**

##### **How do you secure ASP.NET Core Applications?**

##### **Explain Cross-Site Scripting (XSS) and Cross-Site Request Forgery (CSRF) attacks and how to mitigate them.**

##### **What are some best practices for securing APIs?**

##### **How do you handle sensitive data in ASP.NET Core applications?**

##### **How do you implement continuous integration and continuous deployment (CI/CD) pipelines for ASP.NET Core?**

##### **What are microservices?**

##### **How do you optimize performance in ASP.NET Core applications?**

##### **How do you create RESTful APIs in ASP.NET Core?**

##### **What is the role of controllers and actions?**

##### **Explain content negotiation in ASP.NET Core Web API**

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# **React Js interview questions.**

[**1. What is React?**](https://www.interviewbit.com/react-interview-questions/#what-is-react)

[**2. What are the advantages of using React?**](https://www.interviewbit.com/react-interview-questions/#advantages-of-react)

[**3. What are the limitations of React?**](https://www.interviewbit.com/react-interview-questions/#react-limitations)

[**4. What is useState() in React?**](https://www.interviewbit.com/react-interview-questions/#what-is-usestate)

[**5. What are keys in React?**](https://www.interviewbit.com/react-interview-questions/#what-are-keys)

[**6. What is JSX?**](https://www.interviewbit.com/react-interview-questions/#what-is-jsx)

[**7. What are the differences between functional and class components?**](https://www.interviewbit.com/react-interview-questions/#functional-vs-class-components)

[**8. What is the virtual DOM? How does react use the virtual DOM to render the UI?**](https://www.interviewbit.com/react-interview-questions/#virtual-dom-how-does-react-use-the-virtual-dom-to-render-the-ui)

[**9. What are the differences between controlled and uncontrolled components?**](https://www.interviewbit.com/react-interview-questions/#controlled-vs-uncontrolled-components)

[**10. What are props in React?**](https://www.interviewbit.com/react-interview-questions/#what-are-props)

[**11. Explain React state and props.**](https://www.interviewbit.com/react-interview-questions/#explain-state-and-props)

[**12. Explain about types of side effects in React component.**](https://www.interviewbit.com/react-interview-questions/#types-of-side-effects-in-react-components)

[**13. What is prop drilling in React?**](https://www.interviewbit.com/react-interview-questions/#what-is-prop-drilling)

[**14. What are error boundaries?**](https://www.interviewbit.com/react-interview-questions/#what-are-error-boundaries)

[**15. What is React Hooks?**](https://www.interviewbit.com/react-interview-questions/#what-is-react-hooks)

[**16. Explain React Hooks.**](https://www.interviewbit.com/react-interview-questions/#explain-react-hooks)

[**17. What are the rules that must be followed while using React Hooks?**](https://www.interviewbit.com/react-interview-questions/#rules-that-must-be-followed-while-using-react-hooks)

[**18. What is the use of useEffect React Hooks?**](https://www.interviewbit.com/react-interview-questions/#what-is-the-use-of-useeffect-react-hooks)

[**19. Why do React Hooks make use of refs?**](https://www.interviewbit.com/react-interview-questions/#why-do-react-hooks-make-use-of-refs)

[**20. What are Custom Hooks?**](https://www.interviewbit.com/react-interview-questions/#what-are-custom-hooks)

**2**[**1. How to perform automatic redirect after login?**](https://www.interviewbit.com/react-interview-questions/#how-to-perform-automatic-redirect-after-login)

**2**[**2. How to pass data between sibling components using React router?**](https://www.interviewbit.com/react-interview-questions/#how-to-pass-data-between-sibling-components-using-react-router)

**2**[**3. How to re-render the view when the browser is resized?**](https://www.interviewbit.com/react-interview-questions/#how-to-re-render-the-view-when-the-browser-is-resized)

**2**[**4. How to create a switching component for displaying different pages?**](https://www.interviewbit.com/react-interview-questions/#how-to-create-a-switching-component-for-displaying-different-pages)

**2**[**5. Explain how to create a simple React Hooks example program.**](https://www.interviewbit.com/react-interview-questions/#explain-how-to-create-simple-react-hooks-program)

**2**[**6. Explain conditional rendering in React.**](https://www.interviewbit.com/react-interview-questions/#explain-conditional-rendering)

**2**[**7. Can React Hook replaces Redux?**](https://www.interviewbit.com/react-interview-questions/#can-react-hook-replaces-redux)

**2**[**8. What is React Router?**](https://www.interviewbit.com/react-interview-questions/#what-is-react-router)

**2**[**9. Do Hooks cover all the functionalities provided by the classes?**](https://www.interviewbit.com/react-interview-questions/#functionalities)

[**30. How does the performance of using Hooks will differ in comparison with the classes?**](https://www.interviewbit.com/react-interview-questions/#how-does-the-performance-of-hooks-differ-in-comparison-with-the-classes)

[**31. Differentiate React Hooks vs Classes.**](https://www.interviewbit.com/react-interview-questions/#react-hooks-vs-classes)

[**32. Explain about types of Hooks in React.**](https://www.interviewbit.com/react-interview-questions/#explain-about-types-of-hooks)

[**33. Does React Hook work with static typing?**](https://www.interviewbit.com/react-interview-questions/#does-react-hook-work-with-static-typing)

[**34. What are the lifecycle methods of React?**](https://www.interviewbit.com/react-interview-questions/#what-are-lifecycle-methods-of-react)

[**35. What are the different phases of the component lifecycle?**](https://www.interviewbit.com/react-interview-questions/#different-phases-of-component-lifecycle)

[**36. What are Higher Order Components?**](https://www.interviewbit.com/react-interview-questions/#what-are-higher-order-components)

[**37. How to pass data between react components?**](https://www.interviewbit.com/react-interview-questions/#how-to-pass-data-between-react-components)

[**38. Name a few techniques to optimize React app performance.**](https://www.interviewbit.com/react-interview-questions/#name-few-techniques-to-optimize-react-app-performance)

[**39. What are the different ways to style a React component?**](https://www.interviewbit.com/react-interview-questions/#different-ways-to-style-react-component)

[**40. How to prevent re-renders in React?**](https://www.interviewbit.com/react-interview-questions/#how-to-prevent-re-renders)

[**41. Explain Strict Mode in React.**](https://www.interviewbit.com/react-interview-questions/#explain-strict-mode)

# **SQL Server Interview Questions**

### 1.**What is SQL Server?**

### **2.What is the difference between SQL and SQL Server?**

### **3.What are the main features of SQL Server?**

### **4.What is a primary key in SQL Server?**

### **5.What are the different types of joins in SQL Server?**

### **6.What is a CTE (Common Table Expression) in SQL Server?**

### **7.Explain how to implement backups and recovery strategies in SQL Server.**

### **8.What are functions and stored procedures in SQL Server, and how do they differ?**

### **9.How can you optimize query performance in SQL Server using techniques like indexing?**

### **10.What is a view in SQL Server, and why would you use one?**

### **11. How does SQL Server handle transactions, and what are the ACID properties?**

### **12. What is a foreign key in SQL Server?**

### **13. What is SQL Server Profiler, and how is it used?**

### **14. What is the purpose of SQL Server Agent?**

### **15.What is database normalization, and why is it important?**

### **16.What are the different types of replications in SQL Server (Transactional, Merge, Snapshot)?**

### **17.Describe the functionalities offered by SQL Server Integration Services (SSIS).**

### **18.How can you monitor and troubleshoot performance issues in SQL Server?**

### **19.Explain the differences between scalar functions, table-valued functions, and inline table-valued functions in SQL Server.**

### **20.What are the benefits and drawbacks of using triggers in SQL Server?**

### **21.Explain how you can implement row-level security in SQL Server.**

### **22.Describe the differences between clustered and non-clustered column store indexes in SQL Server.**

### **23.What is the purpose of the NOLOCK hint in SQL Server, and when should it be used?**

### **24.Explain the concept of temporal tables in SQL Server and how they are used.**

**Scss and csss**

**What is SASS?**

**Why to use SASS?**

**List out some features of SASS?**

**What are advantages of SASS?**

**What are disadvantages of SASS?**

**Name the two syntaxes supported by SASS?**

**In how many ways you can use the SASS?**

**What are nested rules in SASS?**

**How to refer parent selector in the SASS?**

**How to write placeholder selector in SASS?**

**Mention the different types of operations on the SASS?**

**What are number operations?What are color operations?**

**What are list operations?What are boolean operations?**

**What are parentheses in SASS?**

**What is interpolation in SASS?**

**What is variable defaults?**

**What is import directive?**

**What is media directive?**

**is extend directive?**

**What is at-root directive?**

**What is @if directive?**

**What is @else if directive?**