ADO.Net	
Q1: What is ADO.NET?	Entry
Q2: What do you understand by DataRelation class?	Junior
Q3: Describe when you would use the DataView in ADO.NET?	Junior
Q4: What is the SqlCommandBuilder?	Junior
Q5: What is the DataAdapter Object in ADO.NET?	Junior
Q6: What is the basic difference between ADO.NET and Entity Framework?	Junior
Q7: What is SqlCommand Object?	Junior
Q8: What is Connection Pooling in ADO.NET?	Junior
Q9: How can you define the DataSet structure?	Junior
Q10: What are the ADO.NET components?	Junior
Q11: What is exactly meaning of disconnected and connected approach in ADO.NET?	Junior
Q12: Mention what is the difference between ADO.NET and classic ADO?	Mid
Q13: Could you explain me some of the main differences between Connection-oriented access and connectionless access in ADO.NET?	Mid
Q14: What is the difference between Integrated Security = True and Integrated Security = SSPI?	Mid
Q15: What is Unit Of Work?	Mid
Q16: How could you control connection pooling behavior?	Mid
Q17: What are the differences between using SqlDataAdapter vs SqlDataReader for getting data from a DB?	Mid
Q18: What is the difference between DataView, DataTable and DataSet?	Mid
Q19: What is the difference between ExecuteScalar, ExecuteReader and ExecuteNonQuery?	Mid
Q20: What is the difference between OLE DB and ODBC data sources?	Senior
Q21: What is the difference between ADODB, OLEDB and ADO.NET?	Senior
Q22: How could you monitor connection pooling behavior?	Senior
Q23: Can you explain the difference between a DataReader, a DataAdapter, a Dataset, and a DataView?	Senior
Q24: Where should I use disconnected architecture approach?	Senior
Q25: Where should I use connected architecture approach?	Senior
Q26: Is there anything faster than SqlDataReader in .NET?	Senior
Q27: Is it necessary to manually close and dispose of SqlDataReader?	Senior
Q28: What's better: DataSet or DataReader?	Senior
Q29: Could you explain some benefits of Repository Pattern?	Senior
Q30: Name types of transactions in ADO.NET	Senior
Q31: Name some problems that could occur with connection pooling	Expert
Q32: Under what scenarios would setting pooling=false in an ADO.NET connection string be of value when connecting to SQL Server?	Expert
Q33: What is the best and fast way to insert 2 million rows of data into SQL Server?	Expert

ASP.NET MVC	
Q1: What is Layout in MVC?	Entry
Q2: What is Razor Pages?	Junior
Q3: Can you explain Model, Controller and View in MVC?	Junior
Q4: What are the advantages of MVC over ASP.NET?	Junior
Q5: What is Razor View Engine?	Junior
Q6: What is the use of ViewModel in MVC?	Junior
Q7: What you mean by Routing in MVC?	Junior
Q8: What are Actions in MVC?	Junior
Q9: Explain Bundle.Config in MVC4?	Junior
Q10: Explain Sections is MVC?	Junior
Q11: What are Non Action methods in MVC?	Junior
Q12: What are Scaffold templates in MVC?	Junior
Q13: Can you explain the page life cycle of MVC?	Mid
Q14: What is Attribute Routing in MVC?	Mid
Q15: What is the difference between ViewBag and ViewData in MVC?	Mid
Q16: What are HTML Helpers in MVC?	Mid
Q17: Can you explain RenderBody and RenderPage in MVC?	Mid
Q18: Explain the methods used to render the views in MVC?	Mid
Q19: Explain ASP.NET WebApi vs MVC?	Mid
Q20: What is the "HelperPage.IsAjax" Property?	Mid
Q21: What is RouteConfig.cs in MVC 4?	Mid
Q22: Can a view be shared across multiple controllers? If Yes, How we can do that?	Mid
Q23: What is PartialView in MVC?	Mid
Q24: What is Separation of Concerns in ASP.NET MVC?	Senior
Q25: Explain Dependency Resolution?	Senior
Q26: How route table has been created in ASP.NET MVC?	Senior
Q27: Explain TempData in MVC?	Senior
Q28: What are AJAX Helpers in MVC?	Senior
Q29: What are Validation Annotations?	Senior
Q30: Why to use Html.Partial in MVC?	Senior
Q31: What is Html.RenderPartial?	Expert

ASP.Net API	
Q1: What is ASP.NET Web API?	Entry
Q2: Explain the usage of HttpResponseMessage?	Junior
Q3: What are the Advantages of Using ASP.NET Web API?	Junior
Q4: What New Features are Introduced in ASP.NET Web API 2.0?	Junior
Q5: What are main return types supported in Web API?	Junior
Q6: Which status code used for all uncaught exceptions by default?	Junior
Q7: What is the difference between ApiController and Controller?	Junior
Q8: What exactly is OAuth (Open Authorization)?	Junior
Q9: Name types of Action Results in Web API 2	Mid
Q10: What are the differences between WebAPI and WebAPI 2?	Mid
Q11: Compare WCF vs ASP.NET Web API?	Mid
Q12: Is it True that ASP.NET Web API has Replaced WCF?	Mid
Q13: Explain the difference between MVC vs ASP.NET Web API	Mid
Q14: How to Restrict Access to Web API Method to Specific HTTP Verb?	Mid
Q15: What is Attribute Routing in ASP.NET Web API 2.0?	Mid
Q16: Explain the difference between WCF RESTful Service vs ASP.NET Web API?	Mid
Q17: What's the difference between REST & RESTful?	Mid
Q18: How to Return View from ASP.NET Web API Method?	Senior
Q19: Can we use Web API with ASP.NET Web Form?	Senior
Q20: How Can We Provide an Alias Name for ASP.NET Web API Action?	Senior
Q21: Explain briefly CORS(Cross-Origin Resource Sharing)?	Senior
Q22: What is ASP.NET Web API OData?	Senior
Q23: How to register exception filter globally?	Senior
Q24: What is Delegating Handler?	Senior
Q25: Why are the "FromBody" and "FromUri" attributes needed in ASP.NET Web API`?	Senior
Q26: What's the difference between OpenID and OAuth?	Senior
Q27: Why should I use IHttpActionResult instead of HttpResponseMessage?	Expert
Q28: Explain the difference between WCF, Web API, WCF REST and Web Service?	Expert
Q29: Explain briefly OWIN (Open Web Interface for .NET) Self Hosting?	Expert
Q30: What is difference between OData and REST web services?	Expert
Q31: Could you clarify what is the best practice with Web API error management?	Expert
Q32: Explain advantages/disadvantages of using HttpModule vs DelegatingHandler?	Expert
Q33: What is difference between WCF and Web API and WCF REST and Web Service?	Expert

AGILE	
Q1: What is an Agile iteration?	Entry
Q2: What is Scrum?	Entry
Q3: What is sprint in Scrum?	Entry
Q4: Name roles in Scrum	Entry
Q5: What is User Stories?	Entry
Q6: Explain what is Refactoring?	Entry
Q7: What is an epic, user stories and task?	Entry
Q8: What is ASP.NET MVC?	Entry
Q9: What is Agile?	Junior
Q10: How is Agile different from other software delivery aproaches?	Junior
Q11: Name some types of meetings or ceremonies in Scrum	Junior
Q12: What is Sprint Planning?	Junior
Q13: Explain difference between a Product and a Sprint Backlog	Junior
Q14: Have you ever used Scrum Task Board?	Junior
Q15: Explain what does it mean by product roadmap?	Junior
Q16: Mention what should a burndown chart should highlight?	Junior
Q17: If a timebox plan needs to be reprioritized who should re-prioritise it?	Junior
Q18: Explain what is Velocity in Agile?	Junior
Q19: What is story points/efforts/ scales?	Junior
Q20: Explain in Agile, burn-up and burn-down chart?	Junior
Q21: What is test driven development?	Junior
Q22: Mention the key difference between sprint backlog and product backlog?	Junior
Q23: What are some methodologies used to implement Agile?	Mid
Q24: What is the Agile Manifesto?	Mid
Q25: What are four Agile Manifesto values?	Mid
Q26: What is Acceptance Criteria?	Mid
Q27: What does project velocity mean?	Mid
Q28: Can you explain the purpose of a burndown chart?	Mid
Q29: What does the Scrum Framework consist from?	Mid
Q30: What is a Sprint Review?	Mid
Q31: Mention what are the challenges involved in Agile software development?	Mid
Q32: Mention what are the advantages of maintaining consistent iteration length throughout the project?	Mid
Q33: Mention in detail what are the role's of Scrum Master?	Mid
Q34: What are the qualities of a good Agile tester should have?	Mid
Q35: Explain what is Scrum ban?	Mid
Q36: Explain the difference between Extreme programming and Scrum?	Mid
Q37: Name the 12 Agile Principles	Senior

Q38: Explain main differences between Scrum and Agile?	Senior
Q39: What is Scrum Increment?	Senior
Q40: What the Scrum theory is based on?	Senior
Q41: What are the Scrum values?	Senior
Q42: What is a Sprint Retrospective?	Senior
Q43: When not to use Agile?	Senior
Q44: Mention what is the difference between Scrum and Agile?	Senior
Q45: Mention what are the Agile quality strategies?	Senior
Q46: Why Continuous Integration is important for Agile?	Senior
Q47: In Agile mention what is the difference between the Incremental and Iterative development?	Senior
Q48: Explain how you can measure the velocity of the sprint with varying team capacity?	Senior
Q49: What is the Scrum's definition of "Done"?	Expert
Q50: Provide some examples of burn-up chart	Expert
Q51: What are the benefits of Burn Up chart?	Expert
Q52: Explain what is Spike and Zero sprint in Agile? What is the purpose of it?	Expert

C#	
Q1: What is C#?	Entry
Q2: What is an Object?	Entry
Q3: What is the difference between "continue" and "break" statements in C#?	Entry
Q4: What are property Accessors?	Entry
Q5: What is Managed or Unmanaged Code?	Junior
Q6: What is Boxing and Unboxing?	Junior
Q7: What is the difference between a struct and a class in C#?	Junior
Q8: What is enum in C#?	Junior
Q9: Can "this" be used within a static method?	Junior
Q10: Define Property in C#?	Junior
Q11: What is the difference between string and StringBuilder in c#?	Junior
Q12: What are partial classes?	Junior
Q13: What are generics in C#?	Junior
Q14: What you understand by Value types and Reference types in C#.Net?	Junior
Q15: What is Serialization?	Junior
Q16: What is LINQ in C#?	Junior
Q17: Can multiple catch blocks be executed?	Junior
Q18: What are Custom Exceptions?	Junior
Q19: Why can't you specify the accessibility modifier for methods inside the interface?	Junior
Q20: What are the different types of classes in C#?	Junior
Q21: How is Exception Handling implemented in C#?	Junior

Q22: What is an Abstract Class?	Junior
Q23: Can you return multiple values from a function in C#?	Junior
Q24: In how many ways you can pass parameters to a method?	Junior
Q25: What is namespace in C#?	Junior
Q26: What are reference types in C#?	Junior
Q27: What are dynamic type variables in C#?	Junior
Q28: What are nullable types in C#?	Junior
Q29: Why to use "finally" block in C#?	Junior
Q30: Filter out the first 3 even numbers from the list using LINQ	Junior
Q31: What is the difference between Interface and Abstract Class?	Mid
Q32: What is the difference between constant and readonly in c#?	Mid
Q33: What is the difference between ref and out keywords?	Mid
Q34: What is extension method in C# and how to use them?	Mid
Q35: What is delegates in C# and uses of delegates?	Mid
Q36: What is sealed class in C#?	Mid
Q37: What is the difference between overloading and overriding?	Mid
Q38: What is difference between Throw Exception and Throw Clause?	Mid
Q39: What is the difference between Equality Operator (==) and Equals() Method in C#?	Mid
Q40: What is Virtual Method in C#?	Mid
Q41: What are the uses of "using" in C#	Mid
Q42: Explain Anonymous type in C#	Mid
Q43: What is Reflection in C#.Net?	Mid
Q44: What is difference between constants and readonly?	Mid
Q45: Explain Code compilation in C#	Mid
Q46: What is the difference between Virtual method and Abstract method?	Mid
Q47: What is a Destructor in C#?	Mid
Q48: What is the difference between dynamic type variables and object type variables?	Mid
Q49: How encapsulation is implemented in C#?	Mid
Q50: What is scope of a Internal member variable of a C# class?	Mid
Q51: What is the use of Null Coalescing Operator (??) in C#?	Mid
Q52: Given an array of ints, write a C# method to total all the values that are even numbers.	Mid
Q53: What is the output of the program below? Explain your answer.	Mid
Q54: Refactor the code	Mid
Q55: What is lambda expressions in C#?	Mid
Q56: What is an anonymous function in C#?	Mid
Q57: What is marshalling and why do we need it?	Senior
Q58: What is the difference between dispose and finalize methods in c#?	Senior
Q59: What is difference between late binding and early binding in C#?	Senior
Q60: What is the Constructor Chaining in C#?	Senior
Q61: What is Indexer in C#?	Senior
Q62: Name difference between "is" and "as" operator in C#	Senior

Q63: What is an Object Pool in .Net?	Senior
Q64: When to use ArrayList over array[] in c#?	Senior
Q65: What are the differences between a multidimensional array and an array of arrays in C#?	Senior
Q66: Describe the accessibility modifier "protected internal".	Senior
Q67: What are the different ways a method can be overloaded?	Senior
Q68: What are pointer types in C#?	Senior
Q69: What is scope of a Protected Internal member variable of a C# class?	Senior
Q70: Can you create a function in C# which can accept varying number of arguments?	Senior
Q71: Is operator overloading supported in C#?	Senior
Q72: What is the use of conditional preprocessor directive in C#?	Senior
Q73: What is the difference between System.ApplicationException class and System.SystemException class?	Senior
Q74: Can we have only "try" block without "catch" block in C#?	Senior
Q75: In try block if we add return statement whether finally block is executed in C#?	Senior
Q76: What's the difference between StackOverflowError and OutOfMemoryError?	Senior
Q77: What are the uses of delegates in C#?	Senior
Q78: Why to use lock statement in C#?	Senior
Q79: Can Multiple Inheritance implemented in C# ?	Senior
Q80: What is the output of the short program below? Explain your answer.	Senior
Q81: Is the comparison of time and null in the if statement below valid or not? Why or why not?	Senior
Q82: What is the output of the program below? Explain your answer.	Senior
Q83: What is the output of the program below?	Senior
Q84: What is the "yield" keyword used for in C#?	Senior
Q85: What interface should your data structure implement to make the "Where" method work?	Senior
Q86: IEnumerable vs List - What to Use? How do they work?	Senior
Q87: What is the difference between Func<string,string> and delegate?	Senior
Q88: Explain the difference between Select and Where	Senior
Q89: Explain what is short-circuit evaluation in C#	Senior
Q90: What is the best practice to have best performance using Lazy<T> objects?	Senior
Q91: What are the differences between IEnumerable and IQueryable?	Expert
Q92: What is deep or shallow copy concept in C#?	Expert
Q93: What's the difference between the System.Array.CopyTo() and System.Array.Clone()?	Expert
Q94: What is multicast delegate in C#?	Expert
Q95: What is the method MemberwiseClone() doing?	Expert
Q96: List some different ways for equality check in .Net	Expert
Q97: What are circular references?	Expert
Q98: What is jagged array in C#.Net and when to prefer jagged arrays over multi-dimensional arrays?	Expert
Q99: Could you explain the difference between destructor, dispose and finalize method?	Expert

Q100: Can you create sealed abstract class in C#?	Expert
Q101: What is a preprocessor directives in C#?	Expert
Q102: What is the use of static constructors?	Expert
Q103: Calculate the circumference of the circle	Expert
Q104: What are the benefits of a Deferred Execution in LINQ?	Expert
Q105: What is the difference between lambdas and delegates?	Expert
Q106: Could you explain the difference between Func vs. Action vs. Predicate?	Expert
Q107: Explain the difference between IQueryable, ICollection, IList & IDictionary interfaces?	Expert
Q108: in C#, when should we use abstract classes instead of interfaces with extension methods?	Expert
Q109: Can you add extension methods to an existing static class?	Expert
Q110: Implement the "Where" method in C#	Expert
Q111: What is the "volatile" keyword used for?	Expert
Q112: Explain what is weak reference in C#?	Expert

Entity Framework	
Q1: Explain what is ADO.NET entity framework?	Entry
Q2: What are the benefits of using EF?	Entry
Q3: What is Entity Framework?	Entry
Q4: What is migration in Entity Framework?	Junior
Q5: What is the purpose of a DBContext class?	Junior
Q6: What is Mapping?	Junior
Q7: What is Conceptual Model?	Junior
Q8: What is Storage Model?	Junior
Q9: Mention what is Code First approach and Model First Approach in Entity Framework?	Junior
Q10: Mention in what all scenarios Entity Framework can be applicable?	Junior
Q11: What are scalar and navigation properties in Entity Framework?	Junior
Q12: What is Code First approach in Entity Framework?	Junior
Q13: What is pluralize and singularize in the Entity Framework?	Junior
Q14: What are the different ways of creating these domain / entity objects?	Junior
Q15: How can we read records using Entity Framework classes?	Junior
Q16: How do I delete multiple rows in Entity Framework (without foreach)?	Mid
Q17: What are the advantages/disadvantages of Code First Approach?	Mid
Q18: What are the advantages of Model First Approach?	Mid
Q19: What are the advantages and disadvantages of Database First Approach?	Mid
Q20: What are the different approaches supported in the Entity Framework to create Entity Model?	Mid
Q21: What is EF Data Access Architecture?	Mid
Q22: What is the role of Entity Client Data Provider?	Mid

Q23: What are the components of Entity Framework Architecture?	Mid
Q24: Explain Lazy loading, Eager Loading, and Explicit Loading?	Mid
Q25: Explain how you can load related entities in EF?	Mid
Q26: What are complex types in Entity Framework?	Mid
Q27: How can we handle concurrency in Entity Framework?	Mid
Q28: What is Optimistic locking?	Mid
Q29: Could you explain the difference between Optimistic vs Pessimistic locking?	Mid
Q30: What are POCO classes in Entity Framework?	Mid
Q31: What is eager loading?	Mid
Q32: What is the importance of EDMX file in Entity Framework?	Mid
Q33: Can you explain lazy loading in a detailed manner?	Mid
Q34: Name some differences between Express vs Recoverable messages	Senior
Q35: What type of system generated messages do you know?	Senior
Q36: What are the disadvantages of using static DbContext?	Senior
Q37: When would you use EF6 vs EF Core?	Senior
Q38: Which type of loading is good in which scenario?	Senior
Q39: What is the difference between Code First, Model First and Database First?	Senior
Q40: What is the difference between ObjectContext and DbContext?	Senior
Q41: Is DbContext thread safe?	Senior
Q42: What is faster - ADO.NET or ADO.NET Entity Framework?	Senior
Q43: What's the difference between LINQ to SQL and Entity Framework?	Senior
Q44: How can you enhance the performance of Entity Framework?	Senior
Q45: What is the difference between POCO, Code First, and simple EF approach?	Senior
Q46: Could you explain pessimistic locking?	Senior
Q47: What are T4 templates?	Senior
Q48: Can you explain CSDL, SSDL and MSL sections in an EDMX file?	Senior
Q49: What are the advantages and disadvantages of creating a global entities context for the application (i.e. one static instance)?	Expert
Q50: When would you use SaveChanges(false) + AcceptAllChanges()?	Expert
Q51: What's the difference between .SaveChanges() and .AcceptAllChanges()?	Expert
Q52: What difference does .AsNoTracking() make?	Expert
Q53: How do I view the SQL generated by the Entity Framework?	Expert
Q54: What is the difference between Automatic Migration vs Code-base Migration?	Expert
Q55: Can I use Entity Framework 6 (not core) in .Net Core?	Expert
Q56: What is client wins and store wins mode in Entity Framework concurrency?	Expert
Q57: How can we do pessimistic locking in Entity Framework?	Expert

Object Oriented Programming	
Q1: What is inheritance?	Entry
Q2: What is object-oriented programming (OOP)?	Entry
Q3: What is encapsulation?	Junior
Q4: What is polymorphism?	Junior
Q5: What is the difference between procedural and object-oriented programming?	Junior
Q6: Can you inherit private members of a class?	Junior
Q7: Explain the concept of constructor?	Junior
Q8: Why is the virtual keyword used in code?	Junior
Q9: What is the difference between a class and a structure?	Junior
Q10: Explain the basic features of OOPs	Junior
Q11: What is an object?	Junior
Q12: What is the relationship between a class and an object?	Junior
Q13: What is a class?	Junior
Q14: When should I use a struct instead of a class?	Mid
Q15: What is polymorphism, what is it for, and how is it used?	Mid
Q16: How could you defineAbstraction in OOP?	Mid
Q17: What are the different ways a method can be overloaded?	Mid
Q18: A structure in C# can implement one or more interfaces. Is it true or false?	Mid
Q19: What do you mean by data encapsulation?	Mid
Q20: State the features of an interface.	Mid
Q21: Can you allow a class to be inherited, but prevent a method from being overridden in C#?	Mid
Q22: What are abstract classes? What are the distinct characteristics of an abstract class?	Mid
Q23: What are similarities between a class and a structure?	Mid
Q24: How can you prevent a class from overriding in C#?	Mid
Q25: How can you prevent your class to be inherited further?	Mid
Q26: How is method overriding different from method overloading?	Mid
Q27: Can you specify the accessibility modifier for methods inside the interface?	Mid
Q28: Is it possible for a class to inherit the constructor of its base class?	Mid
Q29: What is the difference between cohesion and coupling?	Senior
Q30: When should I use an interface and when should I use a base class?	Senior
Q31: What's the advantage of using getters and setters - that only get and set - instead of simply using public fields for those variables?	Senior
Q32: What exactly is the difference between an interface and abstract class?	Senior
Q33: What is Coupling in OOP?	Senior
Q34: What is Cohesion in OOP?	Senior
Q35: What is the difference between an abstract function and a virtual function?	Senior
Q36: Explain the concept of destructor?	Senior
Q37: Differentiate between an abstract class and an interface.	Senior
Q38: What is a static constructor?	Senior
Q39: Explain different types of inheritance.	Senior

Q40: Does .NET support multiple inheritance?	Senior
Q41: Can you declare an overridden method to be static if the original method is not static?	Senior
Q42: Why Doesn't C# Allow Static Methods to Implement an Interface?	Expert
Q43: What is the difference between a mixin and inheritance?	Expert
Q44: In terms that an OOP programmer would understand (without any functional programming background), what is a monad?	Expert
Q45: What is LSP (Liskov Substitution Principle) and what are some examples of its use (good and bad)?	Expert
Q46: Could you elaborate Polymorphism vs Overriding vs Overloading?	Expert
Q47: What does it mean to "program to an interface"?	Expert
Q48: Can you provide a simple explanation of methods vs. functions in OOP context?	Expert
Q49: Why prefer composition over inheritance? What trade-offs are there for each approach? When should you choose inheritance over composition?	Expert
Q50: What is the difference between association, aggregation and composition?	Expert
Q51: Can you declare a private class in a namespace?	Expert
Q52: You have defined a destructor in a class that you have developed by using the C# programming language, but the destructor never executed. Why did the destructor not execute?	Expert

SOA & REST API Interview Questions	
Q1: What is RESTful Web Services?	Entry
Q2: What is REST Web Services?	Entry
Q3: What REST stands for?	Entry
Q4: Which protocol is used by RESTful webservices?	Entry
Q5: What is caching?	Entry
Q6: What are the advantages of Web Services?	Junior
Q7: What are different types of Web Services?	Junior
Q8: What is SOAP?	Junior
Q9: What is WSDL?	Junior
Q10: What are advantages of REST web services?	Junior
Q11: What is a Resource in Restful web services?	Junior
Q12: What are different HTTP Methods supported in Restful Web Services?	Junior
Q13: Mention what are the HTTP methods supported by REST?	Junior
Q14: Explain the architectural style for creating web API?	Junior
Q15: Mention whether you can use GET request instead of PUT to create a resource?	Junior
Q16: Mention what are resources in a REST architecture?	Junior
Q17: Mention what is the difference between AJAX and REST?	Junior
Q18: Mention some key characteristics of REST?	Junior
Q19: What are the core components of a HTTP Request?	Junior
Q20: What is purpose of a URI in REST based webservices?	Junior
Q21: What are advantages of SOAP Web Services?	Mid
Q22: What are disadvantages of SOAP Web Services?	Mid
Q23: What is UDDI?	Mid
Q24: What are disadvantages of REST web services?	Mid
Q25: What are different ways to test web services?	Mid
Q26: What is the use of Accept and Content-Type Headers in HTTP Request?	Mid
Q27: How would you choose between SOAP and REST web services?	Mid
Q28: Mention what are the HTTP methods supported by REST?	Mid
Q29: Mention what are the different application integration styles?	Mid
Q30: Mention what is the difference between PUT and POST?	Mid
Q31: Mention what is the difference between RPC or document style web services? How you determine to which one to choose?	Mid
Q32: What are the best practices to design a resource representation?	Mid
Q33: What is messaging in RESTful webservices?	Mid
Q34: What are the core components of a HTTP response?	Mid
Q35: What is addressing in RESTful webservices?	Mid
Q36: What are the best practices to create a standard URI for a web service?	Mid
Q37: What is statelessness in RESTful Webservices?	Mid

Q38: What are the disadvantages of statelessness in RESTful Webservices?	Mid
Q39: What are the best practices for caching?	Mid
Q40: What is the purpose of HTTP Status Code?	Mid
Q41: What is Payload?	Mid
Q42: Explain WSDL?	Mid
Q43: What are the primary security issues of web service?	Mid
Q44: Define SOA?	Mid
Q45: What are the various approaches available for developing SOAP based web services?	Mid
Q46: What are different components of WSDL?	Senior
Q47: What is difference between Top Down and Bottom Up approach in SOAP Web Services?	Senior
Q48: What is difference between SOA and Web Services?	Senior
Q49: What are the advantages of statelessness in RESTful Webservices?	Senior
Q50: What do you mean by idempotent operation?	Senior
Q51: Which type of Webservices methods are to be idempotent?	Senior
Q52: What should be the purpose of OPTIONS method of RESTful web services?	Senior
Q53: Which header of HTTP response provides control over caching?	Senior
Q54: Explain Cache-control header	Senior
Q55: What are the two attributes of <Port> element in WSDL?	Senior
Q56: Explain <definition> element?	Senior
Q57: Enlist the operation types response used in WSDL?	Senior
Q58: Explain the message element in WSDL?	Senior
Q59: What are the different elements of WSDL documents?	Senior
Q60: What are the elements of a SOAP message?	Senior
Q61: What are the important characteristics of SOAP envelope element?	Senior
Q62: What should be the purpose of HEAD method of RESTful web services?	Expert
Q63: What are the best practices to be followed while designing a secure RESTful web service?	Expert
Q64: Enlist some important constraints for RESTful web services.	Expert
Q65: Is binding between SOAP and WSDL possible?	Expert
Q66: What is Open API Initiative?	Expert
Q67: Name some best practices for better RESTful API design	Expert

SQL Interview Questions	
Q1: Define a temp table	Entry
Q2: What is a view?	Entry
Q3: What is PRIMARY KEY?	Entry
Q4: What is the difference between WHERE clause and HAVING clause?	Junior
Q5: What's the difference between a local temp table and a global temp table?	Junior
Q6: What is FOREIGN KEY?	Junior
Q7: What is Normalization?	Junior
Q8: What is DEFAULT?	Junior
Q9: What is blocking?	Junior
Q10: How can a column with a default value be added to an existing table?	Junior
Q11: What is the difference between inner and outer join?	Mid
Q12: What is the difference between JOIN and UNION?	Mid
Q13: What is the difference between UNION and UNION ALL?	Mid
Q14: How to select first 5 records from a table?	Mid
Q15: Describe the difference between truncate and delete	Mid
Q16: What are the difference between clustered and a non-clustered index?	Mid
Q17: What are the advantages of using Stored Procedures?	Mid
Q18: What is Denormalization?	Mid
Q19: Define ACID Properties	Mid
Q20: What is a cursor how does it work?	Mid
Q21: What is collation?	Mid
Q22: What are row constructors?	Mid
Q23: Is table size reduced, when you delete data from the table?	Mid
Q24: What is the difference between "INNER JOIN" and "OUTER JOIN"?	Mid
Q25: How do I UPDATE from a SELECT in SQL Server?	Mid
Q26: How a database index can help performance?	Mid
Q27: How does a hash table index work?	Mid
Q28: Finding duplicate values in a SQL table	Mid
Q29: How do I perform an IF...THEN in an SQL SELECT?	Mid
Q30: Discuss INNER JOIN ON vs WHERE clause	Mid
Q31: Explain Function vs. Stored Procedure in SQL Server	Mid
Q32: What is the difference among UNION, MINUS and INTERSECT?	Senior
Q33: How can we transpose a table using SQL (changing rows to column or vice-versa) ?	Senior
Q34: How to generate row number in SQL Without ROWNUM	Senior
Q35: What's the difference between a primary key and a unique key?	Senior
Q36: Name types of Triggers	Senior
Q37: What is a linked server?	Senior
Q38: Explain a usage difference between user defined functions and stored procedures	Senior
Q39: How does truncate and delete operation effect Identity?	Senior
Q40: Explain the difference between exclusive lock and update lock	Senior

Q41: What are DMV's and DMF's?	Senior
Q42: What are statistics?	Senior
Q43: How deadlock is resolved?	Senior
Q44: What is a filegroup?	Senior
Q45: What would happen without an index?	Senior
Q46: How does B-trees index work?	Senior
Q47: What is the cost of having a database index?	Senior
Q48: Delete duplicate values in a SQL table	Senior
Q49: How can I do an UPDATE statement with JOIN in SQL?	Senior
Q50: How does primary key constraint and unique key constraint effect null?	Expert
Q51: What is Optimistic Locking and Pessimistic locking?	Expert
Q52: How does database indexing work?	Expert
Q53: Name some disadvantages of a hash index	Expert
Q54: What are some other types of indexes?	Expert
Q55: Insert results of a stored procedure into a temporary table	Expert
Q56: Select first row in each GROUP BY group (greatest-n-per-group problem)?	Expert

TSQL Interview Questions	
Q1: Mention what is TOP in TSQL?	Entry
Q2: Is it possible to rename a database? If so, how would you rename the database?	Entry
Q3: What is TSQL Window functions?	Junior
Q4: Could you explain the difference between Primary Key and Unique Index?	Junior
Q5: When should I use primary key or index?	Junior
Q6: Mention what is subquery?	Junior
Q7: Explain what are the differences between SQL and T-SQL?	Junior
Q8: What are the new error handling commands introduced with SQL Server 2005 and beyond?	Junior
Q9: What are the three ways that Dynamic SQL can be issued?	Junior
Q10: What are the two commands to remove all of the data from a table? Are there any implications with the specific commands?	Junior
Q11: Name 5 commands that can be used to manipulate text in T-SQL code	Junior
Q12: Mention what are the limitations of IDENTITY column?	Junior
Q13: Mention what is OFFSET-FETCH filter in tsql?	Junior
Q14: Provide an example of Left Outer Join with Exclusions	Mid
Q15: Mention what are the Join Types in TSQL?	Mid
Q16: Mention what is uncommittable transactions?	Mid
Q17: Mention what are ROLLUP and CUBE in T-SQL?	Mid

Q18: Mention what does the T-SQL command IDENT_CURRENT does?	Mid
Q19: What are types of XML indexes in SQL Server?	Mid
Q20: What are the practical differences between COALESCE() and ISNULL(,'')?	Mid
Q21: How can you capture the length of a column when it is a Text, NText and/or Image data type?	Mid
Q22: What are bitwise operators and what is the value from a database design perspective?	Mid
Q23: What two commands were released in SQL Server 2005 related to comparing data sets from two or more separate SELECT statements?	Mid
Q24: Is there a difference between T-SQL linked server and a synonym?	Mid
Q25: How can you delete duplicate records in a table with no primary key?	Mid
Q26: In what version of SQL Server were synonyms released, what do synonyms do and when could you make the case for using them?	Mid
Q27: What's the difference between TRUNCATE and DELETE in SQL?	Mid
Q28: What is the difference between PARTITION BY and GROUP BY	Senior
Q29: What do Clustered and Non clustered index actually mean?	Senior
Q30: Is it possible to import data directly from T-SQL commands without using SQL Server Integration Services? If so, what are the commands?	Senior
Q31: What is the use of GO in Transact SQL?	Senior
Q32: What is the difference between EXEC vs sp_executesql?	Senior
Q33: What is the native system stored procedure to issue a command against all databases?	Expert
Q34: From a T-SQL perspective, how would you prevent T-SQL code from running on a production SQL Server?	Expert
Q35: Is it correct/best practice to have the TRY/CATCH block inside the transaction or should the transaction be inside the TRY block?	Expert
Q36: What are the best practices for using a GUID as a primary key, specifically regarding performance?	Expert

WCF Interview Questions	
Q1: What is WCF?	Entry
Q2: Could you name basic WCF service components?	Junior
Q3: What are WCF Service Endpoints?	Junior
Q4: What is a service contract in WCF?	Junior
Q5: Explain what is SOA?	Junior
Q6: What are the features and advantage of WCF?	Junior
Q7: Provide some scenarios when we could use WCF services	Junior

Q8: Why we need Fault Contracts in WCF? Why not just use error codes?	Mid
Q9: What is meant by WS-*?	Mid
Q10: What is transport in WCF?	Mid
Q11: What is WCF Binding and how many of them do you know?	Mid
Q12: What are the Possible Ways of Hosting a WCF Service?	Mid
Q13: What is Message Contract in WCF?	Mid
Q14: What is WCF Data Contract?	Mid
Q15: Explain WCF Message exchange Pattern	Mid
Q16: What is an Operation Contract in WCF?	Mid
Q17: Name some different types of contracts in WCF	Mid
Q18: When DataContract and ServiceContract should be used in an application ?	Mid
Q19: Explain the difference between WCF vs ASP.NET Web API?	Mid
Q20: What are the differences between WCF and ASMX Web Services?	Mid
Q21: Why we need Streaming?	Mid
Q22: Explain Message Encoding in WCF and when to use one?	Senior
Q23: What is interoperability and how is it achieved with WCF services?	Senior
Q24: Can I use MessageContract instead of DataContract or in complement to DataContract?	Senior
Q25: When would you use Duplex WCF service?	Senior
Q26: Will it make any difference if I change the operation contract of methods having no return value by [OperationContract(IsOneWay=true)]?	Senior
Q27: When would we use binary encoder?	Senior
Q28: Explain Binary vs MTOM vs Streaming in WCF?	Expert
Q29: What is the difference between hosting WCF service on IIS, Windows Service and self-hosted app?	Expert
Q30: Could we use WSHttpBinding with Request-CallBack (also called Duplex) exchange pattern?	Expert
Q31: What is the main difference between Request-Response and Duplex in WCF Message Exchange Pattern?	Expert
Q32: Should I use WCF or raw sockets?	Expert

Q1: What is jQuery?	Entry
Q2: Why do we use jQuery?	Junior
Q3: How JavaScript and jQuery are different?	Junior
Q4: Is jQuery replacement of Java Script?	Junior
Q5: Is jQuery a library for client scripting or server scripting?	Junior
Q6: Is jQuery a W3C standard?	Junior
Q7: Which is the starting point of code execution in jQuery?	Junior
Q8: What does dollar sign ($) means in jQuery?	Junior
Q9: Can we have multiple document.ready() function on the same page?	Junior
Q10: What is jQuery.noConflict?	Junior
Q11: What is the difference between .js and .min.js?	Junior
Q12: What is a CDN?	Junior
Q13: How do you select element by ID in jQuery?	Junior
Q14: What does $("div") will select?	Junior
Q15: How to select element having a particular class (".selected")?	Junior
Q16: What does $("div.parent") will select?	Junior
Q17: What is the use of jquery .each() function?	Junior
Q18: What is event.PreventDefault?	Junior
Q19: Is there any difference between body onload() and document.ready() function?	Mid
Q20: What are selectors in jQuery and how many types of selectors are there?	Mid
Q21: What are the fastest/slowest selectors in jQuery?	Mid
Q22: How jQuery selectors are executed?	Mid
Q23: Which is fast document.getElementByID('txtName') or $('#txtName').?	Mid
Q24: Difference between $(this) and 'this' in jQuery?	Mid
Q25: What is the difference between jquery.size() and jquery.length?	Mid
Q26: What is the difference between parent() and parents() methods in jQuery?	Mid
Q27: What is the difference between eq() and get() methods in jQuery?	Mid
Q28: What is wrong with this code line "$('#myid\\.3').text('blah blah!!!');"	Mid
Q29: How to create clone of any object using jQuery?	Mid
Q30: What is difference between prop and attr?	Mid
Q31: What is the difference between event.PreventDefault and event.stopPropagation?	Mid
Q32: What is chaining in jQuery?	Mid
Q33: What are various methods to make ajax request in jQuery?	Mid
Q34: When would you use AngularJS vs jQuery?	Mid
Q35: What is the difference between $('div') and $('<div/>') in jQuery?	Senior
Q36: Explain .bind() vs .live() vs .delegate() vs .on()	Senior
Q37: What is the difference between event.PreventDefault and "return false"?	Senior
Q38: How do you attach a event to element which should be executed only once?	Senior
Q39: In what situation you would use multiple version of jQuery and how would you include them?	Senior
Q40: How does caching helps and how to use caching in jQuery?	Senior

Q41: Is there any advantage of using $.ajax() for ajax call against $.get() or $.post()?	Senior
Q42: What are deferred and promise object in jQuery?	Senior
Q43: How can I get jQuery to perform a synchronous, rather than asynchronous, Ajax request?	Senior
Q44: What are the differences between JavaScript's window.onload and jQuery's $(document).ready() method?	Senior
Q45: Is there any significant difference between event.preventDefault() vs. return false to stop event propagation?	Senior
Q46: What is the difference between event.stopPropagation and event.stopImmediatePropagation?	Expert
Q47: Is it possible to hold or delay document.ready execution for sometime?	Expert
Q48: What is the advantage of using protocol less URL while referencing jQuery from CDNs?	Expert
Q49: Is it possible to get value of multiple CSS properties in single statement?	Expert
Q50: Can we execute/run multiple Ajax request simultaneously in jQuery? If yes, then how?	Expert
Q51: How can I implement my own $(document).ready functionality without using jQuery?	Expert