

2019

what is the difference between public, static and void

what is serialization

what are the value types and reference types

what is the difference between array.copyto() and array.clone()

what is method overloading

differentiate among different type of constructor available in C#

how can we set the class to be inherited but prevent the method from being overridden? give examples

what is boxing and unboxing in C# with examples

what is the difference between method overriding and method overloading

define the different ways a method can be overloaded

define CLS and CTS in .net framework

what are the differences between a struct and a class

what is inheritance

is multiple inheritance supported in C#? explain

what is polymorphism

difference between static polymorphism and dynamic polymorphism

what is a virtual function

why to use virtual function, explain with examples

differentiate between foreach and for loop in C# with examples

what is the use of Microsoft Intermediate Language (MIL) and JIT compiler in .net framework

write a program in C# to check whether the entered number is a perfect number or not

what is the access specifiers used in C#

explain the scope of all access specifiers

state 5 properties of label, combo box, checkbox

create a window form that contains 2 textbox and one command button control. TextBox1 can be used for accept numeric value. Write code in C# on click event of command button to calculate the factorial of given input in textbox1 and display it on the textbox2 control

Create a data entry form, of purchase item(product) form shopping center. On clicking the Select (Product) Button- Sno, Product name, qty. and Amount show in respective List Boxes after enter the data in related text boxes and clicking the calculate Amount button then the result will display in the Amount Text Box

S. No.	Product	Qty.	Amount
4	Cake	2	160
1	Pepsi	2	160
2	Parle G	3	30
3	Haldiram	2	170

Total Amount

what is ado.net. explain ado.net namespaces

what are the differences between DataReader and DataSet

what is the data adapter object in ado.net

explain 2 method supports by data adapter

2020

Discuss various data types in C#

what is abstract class

what are constructors in C#

what is dynamic data type in C#

what is common type system

what are private and shared assemblies

what is an Array? discuss array class with suitable example

difference b/w dispose and finalize methods

difference b/w method overloading and method overriding

what are sealed classes and sealed method in C#

difference between private and sealed classes

how is C# better than java

distinguish between ref and out parameters

what is a delegate? discuss multicast delegate

what is operator overloading

list the operator that can be and that cannot be overloaded

what are the differences between classes and struct on the basis of following criteria (data types, inheritance, destructors, assignment)

write a C# program to convert a decimal number into binary

what is polymorphism?

discuss runtime and compile time polymorphism with example

state 5 properties of following control: textbox, combobox, data time picker

short note on web services, access modifiers, CLR

what is an ado.net?

discuss its some essential features and advantages of ado.net

what is the difference between ado and ado.net

what is SQL command object

Create a window form for student registration for your college. performs the following operations Insert, Update Delete and clear operation. on clicking the button control on student registration form

Roll No	<input type="text"/>
Name	<input type="text"/>
Course Name	<input type="text"/>
Address	<input type="text"/>
Mobile No	<input type="text"/>
<input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

2021

what is C#

how is C# different from the C programming language

what is Common Language Runtime (CLR)

what is the JIT compiler process?

what is garbage collection in C#

what are the different types of classes in C#? difference between C# abstract class and an interface

what is inheritance explain with example

does C# support multiple inheritance

difference between struct and class in C#

difference between boxing and unboxing

define late binding and early binding in C#

what is jagged array with example

can multiple catch blocks be executed in C#?

define system array copy and system array clone in C#

what are delegates in C#

define multicasting delegates in C#

describe accessibility modifiers in C#

explain protected internal access modifier with suitable example

what is multithreading with net

explain different types of thread in C#

write a program using conditional statements and loops to generate Fibonacci series up to nth term

difference between dispose and finalize method

explain and state three properties of following window controls: status bar or status strip, list box, checked list box

short note on constructor overloading, assemblies, method overriding

what are the components of ado.net data provider

explain 2 methods of SQL connection and SQL command classes in ado.net

define dataset and data adapter with suitable example

Write a C# code for employee registration form for your college and perform the following operation insert or add new employee, update existing employee detail and delete existing employee data. On clicking the button control on employee registration window form using execute non-query method.

Employee Registration

Employee ID	
Employee Name	
Employee Dept	
Employee DOB	
Employee Address	
Employee Mobile	

2022

what are the advantages of ado.net

what is declaration reference integrity

explain data adapter and data reader

what is WSDL? list down the events in life cycle of a web page

define multi module and shared assemblies

explain the net framework with its architecture by proper diagram

explain CLR, CTS and CLS

what is an assembly?

explain each component of an assembly

write a C# program to explain boxing and unboxing

explain the meaning of namespace by giving the steps involved in creating a namespace

illustrate few common namespaces provided by the .net framework class library

what are the various features of C#? explain them

explain sealed classes and sealed methods

how would you enforce encapsulation using accessor and mutators?
examples

write a note on inheritance in C#.

explain various types of inheritance in C#

write a program in C# to read a jagged array and display the sum of all the elements of inner array with output

write a short note on multiple event handlers

"Catching one exception programmatically is good and necessary mechanism." justify it suitable examples

explain the implementation of combo box in C#

discuss the components of a dataset

write a web-based application to check the entered username and password are valid or not. Check entered username and password of a web form with a database table.

discuss panel control with respect to windows form

write a short note on sessions in asp.net

explain web application development with as.net by writing steps to explain validation controls

write steps to create a connection to a database using SQL server database

explain data access with ado.net by writing steps to update a data source with the help of data adapter

write steps in session tracking with HTTP session state using cookies

2023

When does JIT compilation occur in C#

name the four main access modifiers in C#

how does visual studio help in code debugging

name the core components of the ado.net architecture

can you specify access modifiers for namespaces in C#

what is the role of HTTP verbs (GET, POST, PUT, DELETE) in restful web service and how are they used in C# application

what is the purpose of localization testing and what are some common test scenarios

how does the garbage collection in C# determines which objects are eligible for garbage collection?

how does IL code impact the performance of net applications

write a C# program that demonstrates the use of the common language runtime (CLR)

explain method overloading and method overriding in C# with examples

how do you implement multiple inheritance in C#

create a program that reverse a given string in C#

provide an example of using an interface to implement dependency injection in C#

write a program to find the second largest element in an integer array

explain the concept of lag out manager in windows form.

how do they help in designing user interfaces

how do you add control to a windows form in C#

how do you handle exceptions in a windows form application

what is the primary purpose of an integrated development environment (IDE)?

Explain the concept of a solution in visual studio. how does it organize projects

what is event driven programming model, and how does it relate to control events in C#

explain the concept of Db context class in entity framework for database connection management.

explain the purpose of connection strings in C# database connection

describe the process of connecting to a NoSQL database, such as MongoDB from a C# application

what are the common properties of a SQL command object and how are they configured

how can you create parameterized query using SQL command in C# with example

explain the key components of data adapter