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|--------------|---|------------------------|
| <b>SR.NO</b> | <b>Project NAME</b>   | <b>Technology</b>      |
| 1            | Online E-Learning Platform Hub  | React+Springboot+MySql |
| 2            | PG Mates / RoomSharing / Flat Mates   | React+Springboot+MySql |
| 3            | Tour and Travel management System   | React+Springboot+MySql |
| 4            | Election commition of India (online Voting System)                                | React+Springboot+MySql |
| 5            | HomeRental Booking System   | React+Springboot+MySql |
| 6            | Event Management System   | React+Springboot+MySql |
| 7            | Hotel Management System   | React+Springboot+MySql |
| 8            | Agriculture web Project   | React+Springboot+MySql |
| 9            | AirLine Reservation System / Flight booking System                                | React+Springboot+MySql |
| 10           | E-commerce web Project  | React+Springboot+MySql |
| 11           | Hospital Management System  | React+Springboot+MySql |
| 12           | E-RTO Driving licence portal  | React+Springboot+MySql |
| 13           | Transpotation Services portal   | React+Springboot+MySql |
| 14           | Courier Services Portal / Courier Management System                               | React+Springboot+MySql |
| 15           | Online Food Delivery Portal   | React+Springboot+MySql |
| 16           | Muncipal Corporation Management   | React+Springboot+MySql |
| 17           | Gym Management System   | React+Springboot+MySql |
| 18           | Bike/Car ental System Portal  | React+Springboot+MySql |
| 19           | CharityDonation web project   | React+Springboot+MySql |
| 20           | Movie Booking System  | React+Springboot+MySql |

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| 21   | Job Portal web project              | React+Springboot+MySql        |
| 22   | LIC Insurance Portal                | React+Springboot+MySql        |
| 23   | Employee Management System          | React+Springboot+MySql        |
| 24   | Payroll Management System           | React+Springboot+MySql        |
| 25   | RealEstate Property Project         | React+Springboot+MySql        |
| 26   | Marriage Hall Booking Project       | React+Springboot+MySql        |
| 27   | Online Student Management portal    | React+Springboot+MySql        |
| 28   | Resturant management System         | React+Springboot+MySql        |
| 29   | Solar Management Project            | React+Springboot+MySql        |
| 30   | OneStepService LinkLabourContractor | React+Springboot+MySql        |
| 31   | Vehical Service Center Portal       | React+Springboot+MySql        |
| 32   | E-wallet Banking Project            | React+Springboot+MySql        |
| 33   | Blogg Application Project           | React+Springboot+MySql        |
| 34   | Car Parking booking Project         | React+Springboot+MySql        |
| 35   | OLA Cab Booking Portal              | React+NextJs+Springboot+MySql |
| 36   | Society management Portal           | React+Springboot+MySql        |
| 37   | E-College Portal                    | React+Springboot+MySql        |
| 38   | FoodWaste Management Donate System  | React+Springboot+MySql        |
| 39   | Sports Ground Booking               | React+Springboot+MySql        |
| 40   | BloodBank mangement System          | React+Springboot+MySql        |



|    |  |                        |
|----|--|------------------------|
| 41 | Bus Tickit Booking Project                     | React+Springboot+MySql |
| 42 | Fruite Delivery Project                        | React+Springboot+MySql |
| 43 | Woodworks Bed Shop                             | React+Springboot+MySql |
| 44 | Online Dairy Product sell Project              | React+Springboot+MySql |
| 45 | Online E-Pharma medicine sell Project          | React+Springboot+MySql |
| 46 | FarmerMarketplace Web Project                  | React+Springboot+MySql |
| 47 | Online Cloth Store Project                     | React+Springboot+MySql |
| 48 | Train Ticket Booking Project                   | React+Springboot+MySql |
| 49 | Quizz Application Project                      | JSP+Springboot+MySql   |
| 50 | Hotel Room Booking Project                     | React+Springboot+MySql |
| 51 | Online Crime Reporting Portal Project          | React+Springboot+MySql |
| 52 | Online Child Adoption Portal Project           | React+Springboot+MySql |
| 53 | online Pizza Delivery System Project           | React+Springboot+MySql |
| 54 | Online Social Complaint Portal Project         | React+Springboot+MySql |
| 55 | Electric Vehical management system Project     | React+Springboot+MySql |
| 56 | Online mess / Tiffin management System Project | React+Springboot+MySql |
| 57 | Online Examination Portal Project              | React+Springboot+MySql |
| 58 | Lawyer / Advocate Appointment Booking System   | React+Springboot+MySql |
| 59 | Café Management System                         | React+Springboot+MySql |
| 60 | Agriculture Product Rent system Portal         |                        |

## Spring Boot + React JS + MySQL Project List

| Sr.No | Project Name                               | YouTube Link  |
|-------|--|---|
| 1     | Online E-Learning Hub Platform Project     | <a href="https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW">https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW</a> |
| 2     | PG Mate / Room sharing/Flat sharing        | <a href="https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp">https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp</a> |
| 3     | Tour and Travel System Project Version 1.0 | <a href="https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12">https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12</a> |
| 4     | Marriage Hall Booking                      | <a href="https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7">https://youtu.be/VXz0kZQi5to?si=ILOS-QG3TpAFP5k7</a> |
| 5     | Ecommerce Shopping project                 | <a href="https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq">https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq</a> |
| 6     | Bike Rental System Project                 | <a href="https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H">https://youtu.be/FlzsAmIBCbk?si=7ujQTJqEgkQ8ju2H</a> |
| 7     | Multi-Restaurant management system         | <a href="https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB">https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB</a> |
| 8     | Hospital management system Project         | <a href="https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw">https://youtu.be/lynlouBZvY4?si=CXzQs3BsRkjKhZCw</a> |
| 9     | Municipal Corporation system Project       | <a href="https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF">https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5jF</a> |
| 10    | Tour and Travel System Project version 2.0 | <a href="https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ">https://youtu.be/_4u0mB9mHXE?si=gDiAhKBowi2gNUKZ</a> |

| Sr.No | Project Name                               | YouTube Link  |
|-------|--|---|
| 11    | Tour and Travel System Project version 3.0 | <a href="https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug">https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug</a> |
| 12    | Gym Management system Project              | <a href="https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX">https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX</a> |
| 13    | Online Driving License system Project      | <a href="https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn">https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn</a> |
| 14    | Online Flight Booking system Project       | <a href="https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh">https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh</a> |
| 15    | Employee management system project         | <a href="https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H">https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H</a> |
| 16    | Online student school or college portal    | <a href="https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD">https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD</a> |
| 17    | Online movie booking system project        | <a href="https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm">https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSIsm</a> |
| 18    | Online Pizza Delivery system project       | <a href="https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM">https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM</a> |
| 19    | Online Crime Reporting system Project      | <a href="https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO">https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO</a> |
| 20    | Online Children Adoption Project           | <a href="https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N">https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802I7N</a> |

| Sr.No | Project Name                                | YouTube Link  |
|-------|---|---|
| 21    | Online Bus ticket booking system Project    | <a href="https://youtu.be/FJ0RUZfMdv8?si=auHjmNgHMrpaNZvY">https://youtu.be/FJ0RUZfMdv8?si=auHjmNgHMrpaNZvY</a> |
| 22    | Online Mess / Tiffin Booking System Project | <a href="https://youtu.be/NTVmHFDowyl?si=yrvClbE6fdJ0B7dQ">https://youtu.be/NTVmHFDowyl?si=yrvClbE6fdJ0B7dQ</a> |
| 23    |   |   |
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✓ Among the given collections which is the I/O index based? \*

1/1

- ☐ ArrayList
- ☐ BitArray
- ☒ Both other options



✓ C# treats the multiple catch statements like cases in which statement? \* 1/1

- ☐ if
- ☐ for
- ☐ while
- ☒ switch



✗ Choose the correct option among the following indexers which correctly allows to index in same way as an array?

\*0/1

- ☐ A class
- ☒ An interface
- ☐ A function
- ☐ A property



Correct answer

- ☒ A class

✓ Choose the correct statement about properties describing the indexers?

\*1/1

- ☐ No need to use the name of the property while using an indexed property
- ☐ An indexer property should accept at least one argument
- ☐ Indexers can be overloaded
- ☒ All of the other mentioned ✓

✓ Choose the correct statement among the followings? \*

1/1

- ☐ Indexers are location indicators
- ☐ Indexers are used to access class objects
- ☐ Indexer is a form of property and works in the same way as a property
- ☒ All mentioned ✓

✓ Choose the correct statement among the followings? \*

1/1

- ☐ Indexers are location indicators
- ☐ Indexers are used to access class objects
- ☐ Indexer is a form of property and works in the same way as a property
- ☒ All of the mentioned ✓



✓ Choose the correct statement among the followings? \*

1/1

- ☐ Indexers are location indicators
- ☐ Indexers are used to access class objects
- ☐ Indexer is a form of property and works in the same way as a property
- ☒ All other mentioned ✓

✓ Choose the keyword which declares the indexer? \*

1/1

- ☐ base
- ☒ this ✓
- ☐ super
- ☐ extract

✓ Choose the namespace which supports multithreading programming? \* 1/1

- ☐ System.net
- ☐ System.Linq
- ☒ System.Threading ✓
- ☐ All of the mentioned

✗ Choose the operator/operators which is/are not used to access the [] operator in indexers? \*0/1

- ☐ get
- ☐ set
- ☐ access
- ☒ all other mentioned ✗

Correct answer

- ☒ access

✓ How do you manage states in an ASP.NET application? \* 1/1

- ☐ Viewstate
- ☐ Application Objects
- ☐ Session Objects
- ☒ All other mentioned ✓

✓ In C#, having unreachable code is always ? \*

1/1

☐ method

☐ function

☒ error ✓

☐ iterative

✗ On call of which type of method the new created thread will not start executing? \*0/1

☐ Begin()

☐ Start()

☒ New() ✗

☐ All other mentioned

Correct answer

☒ Start()

✓ Operators that can be overloaded are? \*

1/1

☐ ||

☐ '+='

☒ +



☐ []

✗ State whether the following statements about the Microsoft Intermediate Language (MSIL) are TRUE or FALSE.i) The MSIL code includes instructions to load, initialize and invoke methods on objectsii) The MSIL code is collected and assembled in the form of byte codes and is converted to a .NET assembly ?

\*0/1

☒ i-True, ii-False



☐ i-False, ii-True

☐ i-True, ii-True

☐ i-False, ii-False

Correct answer

☒ i-True, ii-True



✗ Select the modifiers which can be used with the properties? \*

0/1

- ☒ Private ✗
- ☒ Public ✗
- ☒ Protected Internal ✗
- ☒ All of the mentioned ✓

Correct answer

- ☒ All of the mentioned

✗ Suppose value of the Capacity property of ArrayList Collection is set to 4. What will be the capacity of the Collection on adding fifth element to it? \*0/1

- ☐ 4
- ☐ 8
- ☒ 16 ✗
- ☐ 32

Correct answer

- ☒ 8



\*1/1

The infrastructure that supports these dynamic operations at run time is called ?

☐ CLR

☐ CTS

☐ CLS

☒ DLR



\*1/1

To use the .NET Framework Data Provider for SQL Server, an application must reference to which namespace?

☐ System.Data.Client

☒ System.Data.SqlClient

☐ System.Data.Sql



✗ What does "public Thread(ThreadStart start)" specify? \*

0/1

- ☒ Defines a thread ✗
- ☐ Declaration of a thread constructor
- ☐ Only Defines a thread
- ☐ Only Defines a thread & Declaration of a thread constructor

Correct answer

- ☒ Only Defines a thread & Declaration of a thread constructor

✗ What ensures complete interoperability among applications, regardless of the language used to create the application? \*0/1

- ☒ CLR ✗
- ☐ CTS
- ☐ CLS
- ☐ FCL

Correct answer

- ☒ CLS

✓ What function modifier can be put on a method in a base class to allow the child to override it? \*1/1

☐ Abstract

☐ Sealed

☒ Virtual ✓

☐ Must Override

✗ What is Operator Overloading? \*

0/1

☐ Enables user-defined operator implementations for various operators such as: =, typeof

☒ The ability to declare more than one method with the same name but a different signature ✗

☐ Enables user-defined operator implementations for various operators such as: true, false

Correct answer

☒ Enables user-defined operator implementations for various operators such as: true, false



✗ What is the vector in operator overloading? \*

0/1

☒ class

✗

☐ method()

☐ data type

Correct answer

☒ data type

✓ Which among the following are the advantages of using indexers? \*

1/1

☐ To use collection of items at a large scale we make use of indexers as they utilize objects of class that represent the collection as an array

☐ Indexers are also convenient as they can also make use of different types of indexers like int, string etc

☐ An indexer allows an object to be indexed such as an array

☒ All other mentioned

✓

✓ Which component in Asp.net MVC can be used to pass data between controller to view (Assume you have to pass current date and time)? \*1/1

☐ ViewData["DateTime"] = DateTime.Now.ToString();

☒ ViewBag["DateTime"] = DateTime.Now.ToString(); ✓

☐ ViewState["DateTime"] = DateTime.Now.ToString();

☐ DataView["DateTime"] = DateTime.Now.ToString();

✗ Which keyword is used for using the synchronization features defined by the Monitor class? \*0/1

☐ lock

☒ synchronized ✗

☐ monitor

☐ locked

Correct answer

☒ lock

✓ Which method is called when a thread is blocked from running temporarily? \*1/1

- ☐ Pulse()
- ☐ PulseAll()
- ☒ Wait() ✓
- ☐ Hold()

✓ Which method removes and returns the object at the beginning of the Queue? \*1/1

- ☐ public virtual void Dequeue();
- ☐ public virtual void Delete();
- ☐ public virtual void Clear();
- ☒ public virtual object Dequeue(); ✓

✗ Which of the following is NOT an interface declared in System.Collections namespace?

\*0/1

- ☐ IComparer
- ☐ IEnumerable
- ☒ IEnumerator
- ☐ IDictionaryComparer

✗

Correct answer

- ☒ IDictionaryComparer

✓ Which of the following is the correct way to find out the number of elements currently present in an ArrayList Collection called arr?

\*1/1

- ☒ arr.Count
- ☐ arr.GrowSize
- ☐ arr.MaxIndex
- ☐ arr.Capacity

✓



✗ Which of the following keyword is used to overload user defined types \*0/1  
by defining static member functions?

☐ opoverload

☐ operator

☒ operatoroverload

✗

Correct answer

☒ operator

✓

\*

1/1

Which of the following statements is correct about a delegate?

☒ delegates provides wrappers for function pointers

✓

☐ delegates are not type safe

☐ inheritance is a prerequisite for using delegates

✓

Which of these class is used to make a thread? \*

1/1

☐ String

☐ System

☒ Thread

✓

☐ Runnable

✓ Which of these keywords are used to implement synchronization? \* 1/1

- ☐ sync
- ☐ syn
- ☐ synch
- ☒ synchronized ✓

✓ Which of these method of Thread class is used to Suspend a thread for \*1/1 a period of time?

- ☒ sleep() ✓
- ☐ terminate()
- ☐ suspend()
- ☐ stop()

✓ Which Property we can use to gets or sets the number of elements that \*1/1 the ArrayList can Contain?

- ☐ Count
- ☐ Item
- ☒ Capacity ✓
- ☐ Length

✓ What will be the output of the following C# code? \*

1/1

```
using System;  
namespace MyApplication {  
    class Program {  
        static void Main(string[] args) {  
            bool x = true;  
            Console.Write(Convert.ToString(x));  
        }  
    }  
}
```

☒ True



☐ true

☐ false

☐ False

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✓ What will be the output of the following C# code, if the input is 123? \* 1/1  
using System;

```
namespace MyApplication {  
class Program {  
static void Main(string[] args) {  
Console.WriteLine("Enter a number:");  
int num = Console.ReadLine();  
Console.WriteLine("Given number is: " + num);  
}  
}  
}
```

- ☐ Given number is:123
- ☐ Given number is: 123
- ☐ Given number is: "123"

☒ Error



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✓ What will be the output of the following C# code? \*

1/1

```
using System;  
class Program {  
    public static void Main() {  
        int i = 10;  
        Console.WriteLine(i++);  
    }  
}
```

☒ 10



☐ 11

☐ 12

☐ Error

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✓ All Controllers in ASP.NET MVC (.Net Framework) inherit from the following class?

\*1/1

- ☒ Controller ✓
- ☐ ControllerBase
- ☐ Object
- ☐ AsyncController

✓ All models in ASP.NET MVC inherit from the following class? \*

1/1

- ☒ Object ✓
- ☐ Model
- ☐ Controller
- ☐ View

✗ An interface can be explicitly implemented using the following syntax? \* 0/1

- ☐ public class MyClass : IMyInterface { public void interfaceMethod(){} }
- ☒ public class MyClass : IMyInterface { public void InterfaceMethod : IMyInterface(){} } ✗
- ☐ public class MyClass : IMyInterface { public void IMyInterface:InterfaceMethod(){} }
- ☐ public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }

Correct answer

- ☒ public class MyClass : IMyInterface { void IMyInterface:InterfaceMethod(){} }

✗ For Web Api, which of these methods performs an update? \* 0/1

- ☐ Get
- ☒ Put ✗
- ☐ Post
- ☐ Delete

Correct answer

- ☒ Post

✓ Give the output of the following code snippet? \*

1/1

```
int [ , , ] arr = new int [5,3,4];  
Console.Write(arr.Rank + ",");  
Console.Write(arr.GetLength(1));
```

☐ 3,5

☐ 2,5

☒ 3,3

☐ 3,4



✓ How do you ensure that a user must be logged in to call a particular Action method?

\*1/1

☒ [Authorize]

☐ [Authenticate]

☐ [AllowAnonymous]

☐ [NoAction]



✗ In ASP.NET MVC CORE, what is the syntax to store a string in a session variable? \*0/1

- ☐ Session["key"] = "Hello";
- ☐ HttpContext.Session.Set("key", "Hello");
- ☒ HttpContext.Session.SetInt32("key", "Hello"); ✗
- ☐ HttpContext.Session.SetString("key", "Hello");

Correct answer

- ☒ HttpContext.Session.SetString("key", "Hello");

✗ In ASP.NET MVC, bundling and minification can be turned on by doing the following in the compilation section in web.config? \*0/1

- ☐ Set bundling = True
- ☒ Set minification = True ✗
- ☐ Set debug = False
- ☐ Set debug = True

Correct answer

- ☒ Set debug = False

✓ In Reflection, the following class is used to represent the details of a Class? \*1/1

☐ Class

☒ Type ✓

☐ ReferenceType

☐ Object

✓ In the following Entity Framework technique, the class is written first and the database generated from the classes? \*1/1

☐ ModelFirst

☒ CodeFirst ✓

☐ DbFirst

☐ EntityFirst

✓ JIT compilation converts application run time from? \* 1/1

☐ Source code to IL Code

☐ Source code to Byte Code

☒ IL to Native code ✓

☐ IL to Assembly code

✓ The .Net equivalent of a float in CSharp is? \*

1/1

- ☐ System.Float
- ☐ System.Double
- ☒ System.Single
- ☐ System.Decimal



✓ The Garbage Collector runs in the following situation? \*

1/1

- ☐ When you set a reference variable to null
- ☐ When the destructor is called
- ☐ When an object goes out of scope
- ☒ When the system has low physical memory



✓ To asynchronously call a method which takes a string parameter and does not have a return value using a delegate, the correct syntax would be ? \*1/1

- ☐ MethodName("Hello");
- ☐ DelegateObjectName("Hello");
- ☐ DelegateClassName("Hello");
- ☒ DelegateObjectName.BeginInvoke(null,null,"Hello");



✓ To call a method that has a void return value, use the following inbuilt delegate? \*1/1

- ☒ Action ✓
- ☐ Func
- ☐ Predicate
- ☐ Delegate

✓ To create a SqlDataReader in a function and to return the SqlDataReader from the function, ideally the SqlDataReader should be opened in the following manner? \*1/1

- ☐ SqlDataReaderdr = cmd.OpenReader();
- ☐ SqlDataReaderdr = cmd.ExecuteReader();
- ☒ SqlDataReaderdr = cmd.ExecuteReader(CommandBehavior.CloseConnection); ✓
- ☐ SqlDataReaderdr = cmd.Read();



✗ To create a Task and start it immediately, we do the following? \*

0/1

- ☒ Create a Task object and call the taskobject.Start() method ✗
- ☐ Create a Task object and call the taskobject.Run() method
- ☐ Create a Task object and pass the methodname as a parameter
- ☐ Call Task.Run()

Correct answer

- ☒ Call Task.Run()

✓ To iterate through a SortedList<int,string> using a foreach loop, we use \*1/1 the following class?

- ☐ var
- ☐ SortedList<int,string>
- ☐ DictionaryEntry
- ☒ KeyValuePair<int,string> ✓

✓ To run a command that returns a single value use the following? \* 1/1

- ☐ Command.ExecuteReader()
- ☐ Command.ExecuteNonQuery()
- ☒ Command.ExecuteScalar() ✓
- ☐ Command.Single()

✓ To use a thread already created and maintained by the CLR, we use the \*1/1 following class from System.Threading?

- ☐ Thread
- ☒ ThreadPool ✓
- ☐ ThreadStart
- ☐ ParameterizedThreadStart

✓ What does ICollection<T> directly inherit from? \* 1/1

- ☐ Object
- ☒ IEnumerable<T> ✓
- ☐ ICollection
- ☐ IList<T>

✓ What is a common set of rules that all .net languages must follow? \* 1/1

- ☒ CLS ✓
- ☐ MSIL
- ☐ IL
- ☐ App Domains

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✓ What will be the output of the following code snippet? `public class` \*1/1

```
Class1 {  
    public int l {get;set;}  
}  
  
public class MainClass{  
    public static void Main() {  
        Class1 o1= new Class1{l=10};  
        Class1 o2= new Class1{l=20};  
        Swap(o1,o2);  
        Console.WriteLine($"{o1.l},{o2.l}");  
    }  
    public static void Swap(Class1 o1, Class1 o2){  
        Class1 temp=o1;  
        o1 = o2;  
        o2 = temp; }  
    }
```

☐ Compilation Error

☐ Runtime Error

☒ 10,20



☐ 20,10

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✗ What would be the output of the following code snippet? \*0/1

```
public static  
void Main() {  
    try {  
        int i = 100, j = 0; i /= j;  
        Console.WriteLine(i);  
    } catch (SystemException ex) { Console.WriteLine("SystemException");  
    } catch (DivideByZeroException ex)  
    { Console.WriteLine("DivideByZeroException");  
    } catch (Exception ex) {  
        Console.WriteLine("Exception");  
    }  
}
```

☒ SystemException ✗

☐ DivideByZeroException

☐ Exception

☐ Code will not compile

Correct answer

☒ Code will not compile

✓ When is the static constructor called? \*

1/1

☐ When the Assembly is loaded in memory

☐ When the Main() function is run

☐ When any object of the class is created

☒ When the class is loaded into memory ✓

✗ Which command given at the command line is used to register an assembly as a shared assembly? \*0/1

- ☐ SharedUtil
- ☐ GacUtil
- ☐ InstallUtil
- ☒ AssemblyUtil

Correct answer

- ☒ GacUtil

✓ Which does the FileMode.CreateNew do while opening a file? \* 1/1

- ☐ Overwrites a file if file already present. Creates a new file if file not present
- ☐ Overwrites a file if file already present. Throws an exception if file not present
- ☒ Throws an exception if file already present. Creates a new file if file not present
- ☐ Adds to a file if file already present. Creates a new file if file not present

✗ Which of the following is correct syntax for a property accessor? \*

0/1

- ☐ public int P1{ private get{...} private set{...} }
- ☐ protected int P1{ private get{...} set{...} }
- ☐ private int P1{ public get{...} set{...} }
- ☒ protected int P1{ public get{...} set{...} } ✗

Correct answer

- ☒ protected int P1{ private get{...} set{...} }

✓ Which of the following statements is False? \*

1/1

- ☐ A SqlDataReader requires an open connection
- ☒ A DataSet requires an open connection ✓
- ☐ A SqlCommand requires an open connection
- ☐ A SqlTransaction requires an open connection

✓ Which of the following statements is false? \*

1/1

- ☒ Any base class method can be overridden in the derived class ✓
- ☐ The derived class method must have the same signature as the base class method to override it
- ☐ The derived class method must have the override keyword to override a base class method
- ☐ Late binding occurs when you call a method that has been overridden

✓ Which of the following statements is false? \*

1/1

- ☐ An abstract class need not have an abstract method
- ☐ All abstract methods are late bound
- ☐ An abstract method must exist in an abstract class
- ☒ An abstract method can be implemented in the derived class by using the 'implements' keyword ✓

✓ Which of these Data Annotations allow us to specify pattern matching? \* 1/1

- ☒ RegularExpression ✓
- ☐ CustomValidation
- ☐ DataType
- ☐ DisplayFormat



✓ Which of these is available from in subsequent requests for the current \*1/1 user only?

☐ ViewData variable

☐ TempData variable

☒ Session variable ✓

☐ Cookie

✓ Which of these is available from the Controller to the View only and not \*1/1 in subsequent requests or redirects?

☒ ViewData variable ✓

☐ TempData variable

☐ Session variable

☐ Cache variable

✓ Which of these is not a reference type? \*

1/1

☒ Enum ✓

☐ Delegate

☐ Array

☐ Interface

✗ Which of these LINQ methods provides immediate execution? \*

0/1

☒ var x = y.AsParallel()

✗

☐ var x = y.ToList()

☐ var x = y.Select(...)

☐ var x = y.Where(...)

Correct answer

☒ var x = y.ToList()

✓ Which of these statements is false for a struct? \*

1/1

☐ All structs are value types

☒ A struct can contain a constructor with no parameters

✓

☐ A struct can contain a property

☐ A struct can contain a private member

✓ Which of these WCF bindings is used to create a REST service? \*

1/1

- ☐ BasicHttpBinding
- ☐ WsHttpBinding
- ☒ WebHttpBinding
- ☐ RestHttpBinding



✓ Which of these will generate a compilation error? \*

1/1

- ☒ `var employees = emps.Select(emp=>emp.Name).Where(emp=>emp.Name.StartsWith("A"));`
- ☐ `var employees = emps.Where(emp=>emp.Name.StartsWith("A")).Select(emp=>emp.Name);`
- ☐ `var employees = emps.Where(emp=>emp.Name.StartsWith("A"));`
- ☐ `var employees = emps.Select(emp=>emp.Name);`



✗ Why should you not write cleanup code in a Destructor in .Net? \*

0/1

- ☐ There is no Destructor in .Net
- ☐ There is no Destructor in CSharp
- ☒ The statement is incorrect. You should write cleanup code in a Destructor ✗
- ☐ .Net follows nondeterministic finalization

Correct answer

- ☒ .Net follows nondeterministic finalization

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