HTML is the standard markup language for creating _____	Web sites	**Web pages**	Web Browsers	Web Applications
The <!DOCTYPE html> declaration defines that this document is an _____ document	**HTML 5**	XHTML	HTML 3.2	HTML 4.0
Which element is a container for all the visible contents?	**<body>**	<head>	<script>	<title>
The _____ element defines a largest heading.	<h6>	<h0>	**<h1>**	<h5>
CSS stands for _____	Cascading System Style	Cascading Style System	Cascading Sheet Style	**Cascading Style Sheets**
The _____ tag defines a hyperlink.	**<a>**	<h>	<href>	<hl>
CSS describes how HTML elements are to be displayed on _____	screen	paper	**Both A and B**	None of these
Which of the following starts an unordered list?		** **		<ut>
JavaScript accepts both double and single quotes	**TRUE**	FALSE		
style.display='none' will:	Hide all the text	Clear screen	Hide the images	**Hide the HTML elements**
HTML is a _____ markup language	Cutomizable	**Standard**	Both A and B	None of these
CSS is used to handle the presentation of a web page	**TRUE**	FALSE		
JS allows client-side scripting to create _____ web application or websites	**Dynamic**	Static	Both A and B	None of these
Which of these is a self closing tag?	<html>	<body>	**<img>**	<tr>
Which of the following starts an unordered list?		** **		<ut>
Which of these will specify a path to the image?	<href>	<img>	<p>	**<src>**
Which of these is not a valid input type?	text	**amount**	hidden	week
In how many ways can we apply CSS style sheets?	**3**	4	2	5
To select an element with a specific id, write a ___ character, followed by the id of the element	**hash (#)**	dollar ($)	ampersand (&)	dot (.)
To pop-up a text box to get user input, _____ method should be called in JS.	alert()	**prompt()**	input()	confirm()
HTML stands for _____ .	Hyper transfer markup language	Hyper tool markup language	**Hyper text markup language**	None of these
HTML IS _____ of website.	beauty	brain	**body**	None of these
CSS IS _____ of website.	**beauty**	brain	body	None of these

JAVASCRIPT is _____ of website.	beauty	**brain**	body	None of these
_____ is used to program the behavior of web pages.	**javascript**	html	css	None of these
document.getElementById('demo').innerHTML = Date() is syntax of _____.	HTML 5	**javascript**	css	None of these
title tag is used to display the name of _____.	form	**webpage**	button	website
To create an array in Js we use which one of the following brackets;	**[]**	<>	()	{}
Which one will return size of array;	dimension	totalsize	size	**length**
Where is session available?	controller	views	design	**everywhere**
Which method of getting data from user is more secure?	Get	**post**	Both	new
Which is correct syntax for query string?	?text1=23^text2=3	%text1=23&text2=3	!text1=23^text2=3	**?text1=23&text2=3**
Which method of getting data is preffered by developers?	**Get**	Post	New	None
Strongly typed view is a combination of?	**Model+view**	Model+properties	View+ controller	View+html
Strongly typed helpers use?	For each loop	regular expression	**Lambda exp**	Nothing
Is TempData used to pass data from one page to another page in MVC?	**Yes**	No	Both	sometimes
What helps you to maintain data when you move from controller to view?	View Bag	View Data	Temp Data	**A&B**
Which of the following is not a strongly Typed html helper?	@Html.TextBoxFor	@Html.TextAreaFor	**@Html.isfor**	@Html.CheckBoxFor
Controller by default provides you with which action function?	**Index**	Home	Session	render
Which of the following contain Key-value pairs that must be string?	View Bag	**View Data**	Both	None
What is used to pass data between two consecutive requests?	View Bag	View Data	**Temp Data**	Session
Session is valid for only one redirect.	**TRUE**	FALSE		
What will DataTime.Now.Day function return?	Current Date	**Current Day**	Current Hour	Current time
ViewPage<Model> then your View is_____.	Partial View	**Strongly Typed View**	Content View	Template View
You need to call the Cart controller's Add method as a result of your controller's action method. You will use:	return Content("Cart.Add")	return redirect("Cart/Add")	**return View("Cart.Add")**	return("Cart.Add")
To convert index method to post we write:	**[Http Post]**	Post	[Http ispost]	[@post]

What instruction is used To add a form?	html.Form()	**html.beginform("F1")**	BeginForm.html	form("F1")
What keyword is used when you don't want to mention end of form?	**using**	no end	doing	first
Which statement is/are correct?	An argument passed to a ref parameter need not be	Variables passed as out arguments need to be	To use a ref parameter, only the calling method must	**None of the mentioned**
Keyword used to define call by reference parameter in C# .NET?	a) &	b) out	**c) ref**	d) &&
3. Statements about 'ref' keyword used in C#.NET are?	a) The ref keyword causes arguments to be passed by	b) While using 'ref' keyword any changes made	c) Ref usage eliminates overhead of copying large	**d) All of the mentioned**
Which keyword is similar to the keyword ref?	typeof	**out**	static	lock
5. One file can contain how many namespaces?	a) one	**b) Multiple**	c) two	d) No one
6. Which is best method to assign alias to namespace?	a) int sc = System.console	**b) using sc = System.console**	c) string sc = System.console	d) long sc = System.console
7.What is correct method of boxing an object?	**a) object a=c**	b) object a = (int)c	c) object (int)a = (int)c	d) object (int)a = c
8.How to unbox an object?	**a) int k= (int)c**	b) object a = (int)c	c) int a = (object) c	d) object (int)a = c
9.Objects point to the memory in _____ locations?	a) same	**b) different**	c) random	d) None of the above
10) int j=2, int c=j…..c==j ?	**a) True**	b) false		
11) obj c1=j, Obj c2=k…… c1==c2 ?	a) True	**b) false**		
12.The arguments must be in fixed positions just they are while making the function call are called?	a) Named arguments	b) Optional arguments	**c) Positional arguments**	d) None of the above
13.The arguments don't need to be in position while making the function call are called?	**a) Named arguments**	b) Optional arguments	c) Positional arguments	d) None of the above
14.Left side arguments cannot be skipped in _____?	a) Named arguments	**b) Optional arguments**	c) Positional arguments	d) None of the above
15.This is an example of _____? AddNumber(firstNumber: 12, secondNumber: 13);	**a) Named arguments**	b) Optional arguments	c) Positional arguments	d) None of the above
16. It is not mandatory to keep the parameter sequence in ___?	**a) Named arguments**	b) Optional arguments	c) Positional arguments	d) None of the above
17. This code is an example of ?	a) Named arguments	**b) Optional arguments**	c) Positional arguments	d) None of the above

i. **namespace** ConsoleApp2

ii. {

iii. **public class** MyDemo

```
iv.    {

    v.        public int AddNumber(int firstNumber, int secondNumber = 0)

vi.    {

vii.        return firstNumber + secondNumber;

viii.      }

ix.

x.

xi.      public void MainMethod()

xii.     {

xiii.       AddNumber(12);

xiv.      }

xv.   }

xvi. }
```

18. _____ parameters must be specified in the order in which they appear ?	a) Named arguments	b) Optional arguments	**c) Positional arguments**	d) None of the above
19.Can we use nested namespace in the code of C#?	**a) Yes**	b) No		
1.Templated html helpers come in the cateogary of:	a)Inline html helpers	**b)built-in html helpers**	c)custom html helpers	d)none
2.Templated html helpers help to_____ ,input and edit data:	a)generate	b)bind	**c)display**	d)inspect
3. @Html.DisplayText() is used to	a)Display text	b)Display name	**c)Display value of model property**	d)Display name of model property
4. @Html.Display() is same as _____ but with some additional functionalities	**a)@Html.DisplayText()**	b)@Html.DisplayFor()	c)none	d)@Html.DisplayForModel()
5.@Html.DisplayForModel() is used to display:	a)Modelname	**b)whole html**	c)values	d)properties
6._____ is used to create input field using the single model property	**a)Html.Editor()**	b)@Html.Edit()	c)@Html.Change()	d)none

7.@Html.DisplayNameFor() is the strongly binded version of _____	a)@Html.DisplayText()	**b)@Html.DisplayName()**	c)none	d)@Html.Display()
8.@Html.Display() has a strongly binded version:	**a)@Html.DisplayFor()**	b)none	c)@Html.DisplayData()	d)Html.DisplayText()
9.To get all data of model to be displayed you use:	a)@Html.Display()	**b)@Html.DisplayForModel()**	c)@Html.DisplayText()	d)@Html.DisplayName()
10.To mention type of data is date type you can write the syntax:	**a)[DataType(DataType.Date)]**	b)[Type=Date]	c)(Data.Type=Date)	c)[DataType(Date)]
11)When you post data you controller should have something to haandle the post,so you use_____ on controller	a)request.post	c)using post	d)none	**d)[HttpPost]**
12)_____ helpers are used for data diplay and input	a)Custom Html	a)In-line Html	**c)Templated Html**	d)none
13)The types of Templated Html helpers are	**a)Display & Edit/Input**	b)generators	c)none	d)Ajax
14)Html for complete model can be generated with a single tag that is:	a)@Html.Display()	b)@Html.Model	c)@Html.DiplayText()	**d)@Html.DisplayForModel()**
15)Strongly binded version for @Html.Editor() is	a)@Html.Display()	**b)@Html.EditorFor()**	c)@Html.EditData()	d)@Html.EditorText()
16)The difference between standard html helpers and strongly typed html helpers is due to the use of _____	**a)For**	b)Text	c)data	d)editor
17)@Html.DisplayName() is used to display only the ____	a)value of model property	b)name of the model	**c)name of the model property**	d)data of the model property
18)To display the value of the model property you can use:	a)@Html.DisplayName()	b)@Html.DisplayText()	c)@Html.DisplayFor()	**d)Both b&c**
19)To mention type of data is time type you can write the syntax:	a)(Datatype=time)	**b)[DataType(DataType.Time)]**	c)[Type=Time]	d)[DataType(Time)]
20)To create input fields for entire model, you can use:	**a)@Html.EditorForModel()**	b)@Html.Editor()	c)@Html.Input()	d)@Html.InputData()
DEPENDENCY INJECTION			
The fundamental requirement of dependency injection is	**passing service to the client**	Allowing client to find service	Allowing client to build service	Giving the client part service
In dependency injection using values within new and static methods is	Important	**Prohibited**	Allowed	Required
Dependency injection can described as a form of	Automated control	**Inversion control**	Total Control	Direct Control
Dependency Injection supports which of these principles?	Dependency rare principle	Dependency new principle	Dependency total principle	**Dependency Inversion principle**
All of the following are means upon which a client accepts a dependency injection except	Constructor-based injection	**Client-based injection**	Setter-based injection	Interface-based injection
The basic unit of dependency injection is	**Injection**	Codes	Variables	Service
Dependency Injection usually involves how many roles?	2	3	**4**	5
DI allows the removal of hardcoded dependencies and makes it possible to change them at	Runtime	complie time	**both**	none

Using interfaces we have	**Decoupled classes**	Tightly Coupled classes	Lossely Coupled classes	none
DI is also very helpful for	**unit testing**	regression testing	Q/A testing	smoke testing
Tight coupling means classes and objects are _____ on one another.	not dependent	**dependent**	both	none
Tightly coupling are bad because it reduce the	Dependency	flexibility	re-usability of code	**both b and c**
Loose coupling is _____ of tight coupling.	equivalent	**opposite**	synonymous	both a and c
The disadvantage of the loosely coupled system is	complex due to additional hardware	less portable	more expensive	**all of the mentioned**
Classes should always communicate with each other via	classes	data	**interfaces**	none
Using Dependency Injection we are able to	increase coupling	**remove code coupling**	increase dependency	all of the mentioned
For DI coding add interface in _____ folder?	Controllers	Views	**Models**	none
According to . Net naming convention Interface name should be preceded by Capital Letter ?	**I**	G	F	R
In C#, an interface can be defined using the _____ keyword	implements	**interface**	extend	none
Using an access modifier in an interface, then the C# compiler will	give run-time error	not give any error	**give compile-time error**	none

REDIRECTIONS, XML, JSON			
1. ------ helps you to maintain data when you move from controller to view.	a. View Bag	b. View data	c. temp data	d. **both a & b**
2. ------ is able to set and get value dynamically and able to add any number of additional fields without converting it to strongly typed	a. **View bag**	b. view data	c. temp data	d. none
3. ------ is used dynamic, so there is no need to type conversion while enumerating.	a. **View bag**	b. view data	c. temp data	d. session
4. ------ is available across the request.	a. view bag	b. **session**	c. view data	d. temp data
5. You can pass data from one controller to another controller or Action to Action using :	a. View bag	b. view data	c. **temp data**	d. hidden field
6. JSON name/value pair is written as:	a. name' : 'value'	b. name = 'value'	c. name = "value"	d. **"name" : "value"**
7. Which of the following is not a JSON type?	a. object	b. array	c. **date**	d. string
8. Which of these is correct about the JSON standard?	a. **It is an open standard**	b. It is privately developed	c. It requires a license to use	d. none
9. What is the file extension of JSON?	a. .js	b. .jn	c. .jsn	d. **json**
10. The order of JSON objects is always preserved.	a. **true**	b. false		

Question	a	b	c	d
11. What types of values can you have in JSON key:value pairs?	Strings, Arrays, and Primitives	Arrays, Primitives, and Objects stored as strings	**Strings, Arrays, Primitives, and Objects**	Strings only
12. What two structures is JSON built on?	a. **A collection of name/value pairs, and an**	b. A collection of object/item pairs, and an	c. A collection of name/value objects, and an	d. A collection of native-value pairs, and an
13. When coding a string object in JSON, what must separate the string and the value?	a. space	b. semicolon	c. comma	d. **colon**
14. Which of these is a benefit JSON has over XML?	a. JSON is more forgiving of poor formatting	b. **JSON has less markup requirements and**	c. JSON can be written poorly and still be parsed	d. JSON does not need to be stored in a file to
15. in this example, what is the TYPE of employee?{ "employee" : { "type" : "Director", "functions" : ['sales', 'marketing'] } }	a. director	b. **object**	c. array	d. string
16. In this example, what is the TYPE of employee.functions? { "employee" : { "type" : "Director", "functions" : ['sales',	a. sales, marketing	b. object	c. **array**	d. string
17. what does XML stand for?	a. **extensible markup language**	b. extra modern link	c. example markup language	d. X-markup language
18. There is a way of describing XML data, how?	a. XML uses XSL to describe data	b. XML uses a description node to describe data	c. **XML uses a DTD to describe the data**	d. none
19. What does DTD stand for?	a. Dynamic Type Definition	b. **Document Type Definition**	c. Direct Type Definition	d. none
20. Which statement is true?	a. **All XML elements must be properly closed**	b. All the statements are true	c. All XML elements must be lower case	d. All XML documents must have a DTD
21. XML preserves white spaces	a. **true**	b. False		
22. XML elements cannot be empty	a. true	b. **False**		
23. Which is not a correct name for an XML element?	a. All 3 names are incorrect	b. <h1>	c. <Note>	d. **<1dollar>**
24. Which is not a correct name for an XML element?	a. All 3 names are incorrect	b. <age>	c. <Name>	d. <first name>
25. XML attribute values must always be enclosed in quotes	a. **true**	b. false		
26. the tags and the document structure in XML are:	a. predefined	b. **user defined**	c. tags are user defined and the doucment structure is	d. a & b
27. XML was designed to:	a. **carry data with focus on what data is**	b. display data with focus on how data looks	c. carries data and displays it	d. used for communication
28. which of the following is not the use of XML:	a. data sharing	b. data transport	c. data availibilty	d. **stores and exchanges data**
29. Json is unlike XML because:	a. it is self describing	b. can be fetched with an XMLHttpRequest		d. **it can use arrays**
30. what is false for XML:	a. it supports namespaces	b. it has start and end tags	c. it is more secured than json	d. **it doesn't use end tags**
HTML DOM TREE				
1) The Browser processes the HTML code by creating a:	a) Binary Tree	**b) DOM Tree**	c) None of These	d) Full Binary Tree
2) In DOM Tree, Every HTML Tag is called a:	a) Tag	b) Attribute	**c) Node**	d) None of These

3) Every node may have:	a) One Child Node	b) Many Child Nodes	c) None of These	**d) Both a & b**
4) Every child node may have:	**a) One Parent Node**	b) Many Parent Nodes	c) None of These	d) Both a & b
5) The Idea in DOM Tree is that e5very HTML element is an:	a) Attribute	b) Property	**c) Object**	d) None of these
6) DOM stands for:	a) Data Object Manipulation	b) Data Object Mining	c) Data Obtain Model	**d) Data Object Model**
7) The Text written in a Tag is called:	**a) Text Node**	b) Object Node	c) Object Text	d) None of these
8) Which Data structure is used to represent DOM in memory	a) Linked List	b) ArrayList	**c) Tree**	d) Hashmap
9) What is the root node of every HTML DOM Tree?	a) Window Node	**b) Document Node**	c) Object Node	d) Browser Node
10) Which of the following is a valid property for Node Object:	a) childNodes()	b) firstChild()	c) lastChild()	**d) All of These**
11) Which of the following is NOT a Backend Language:	**a) CSS**	b) Java	c) JS	d) None of These
12) A Program that provides a collection of software tools that automates the process of installing, upgrading, configuring, and	a) Tool Installer	**b) Package Manager**	c) Tool updater	d) None of These
13) A tool that let's you help install External Libraries is called:	a) Tool Installer	**b) Package Manager**	c) Tool updater	d) None of These
14) Which of the following is not Relation Databases:	a) Maria DB	b) Oracle	c) MySQL	**d) Mongo DB**
15) Which of the following a framework for PHP:	**a) Laravel**	b) Express js	c) Nodemon	d) All of These
16) Which of these are valid Aunthentication Libraries:	a) JWT	b) Oauth	**c) Both a & b**	d) None of These
17) Which of the following is NOT a Backend Language:	**a) CSS**	b) Java	c) JS	d) None of These
18) Which of these is not a Search Engine:	a) Google	b) Bing	c) Solr	**d) MSN**
19) Which of these CANNOT serve as a framework for Front-End:	a) Vue js	**b) Express js**	c) Angular js	d) React js
20) Which of these are valid Testing types:	a) Unit Testing	b) Functional Testing	c) Integral Testing	**d) All of These**
21) Which of these fall under the category of Network & Security	a) DNS	b) OSI Model	c) HTTP	**d) All of These**
22) Which of these is not a valid Web Server:	**a) Nodemon**	b) Apache	c) Tomcat	d) Caddy
23) Which method is not used for traversing DOM tree?	a) parent()	b) parentsUntil()	c) parents()	**d) after()**
24) Which of the following is not DOM property?	a) document.anchors	b) document.cookie	c) document.body	**d) document.origin**
25) HTML DOM Tree is created in:	**a) System Memory**	b) Display Screen	c) Browser Cache	d) None of These

JSON strings have to be in	single quote	**double quote**	single quote or double quote	none of these
Which of the following is not a JSON type?	Object	**Date**	Array	String
Which of these is correct about the JSON standard?	**It is an open standard**	It is privately developed	It requires a license to use	None of these
What is the file extension of JSON?	.js	.jn	.jsn	**.json**
In modern websites what is the common usage for JSON?	To store information remotely	**To send and receive bits of data.**	To store information locally.	None of these
Which of these is a benefit JSON has over XML?	JSON is more forgiving of poor formatting	**JSON has less markup requirements and**	JSON can be written poorly and still be parsed	JSON does not need to be stored in a file to be
What does JSON stand for?	JavaScript Object Nomenclature	JavaScript Objective Notation	**JavaScript Object Notation**	JavaScript Orientated Nomenclature
JSON elements are separated by	semi-colon	line break	**comma**	white space
What keywords are reserved in JSON and cannot be used as keys?	Value	Object	**There are none**	Key
Which statement about the toJSON method is true	It customizes JSON stringification behavior	It allows an object to determine its own JSON	It is internally called by JSON.stringify()	**All three statements are true**
Which of these data interchange formats has seen a decline in usage in favor of JSON?	ASCII	Plain-text	SQL	**XML**
True or false? A disadvantage of JSON is that it requires the use of JavaScript.	**False, JSON is language independent.**	False, JavaScript must be available although it is not	True, though all browsers have JavaScript enabled.	True, though JavaScript is readily available in
Can you use a double quote inside a JSON string?	Yes, if you use the ascii code.	Yes, you can use it without any special treatment	**Yes, if it is escaped like (\")**	No, you should use single quotes
What function will convert a JavaScript object to a JSON string?	JSON.text()	JSON.serialize()	JSON.toString()	**JSON.stringify()**
What is the MIME type of JSON?	application/x-json	text/json	**application/json**	application/javascript
Which of these is supported as a JSON Value type?	infinity	**Null**	undefined	Nan
When coding a string object in JSON, what must separate the string and the value?	A space	A Semicolon	A Comma	**A Colon**
In what situation would you want to use XML over JSON?	When JSON is not offered.	When you need to use tags to structure your content.	**You need message validation or you're using**	Never, JSON is worlds better.
What is a JSONStringer used for?	**It is used to quickly create JSON text.**	It quickly converts JSON to Java strings.	It is used to create number strings in JSON.	It is used to create JSON ordered pairs
Which of following control characters cannot be used when writing a JSON string without escaping?	; or :	**" or **	< or >	/ or {
Does whitespace matter in JSON?	No, it will be stripped out	**Yes, only within strings**	Yes, only outside of strings.	Yes, both inside and outside of strings
What does JSONP stand for?	JSON Procedures	JSON Parsing	**JSON with padding**	JSON Programming

Which of the following number formats are not used in JSON?	Octal and gate	Octal and binary	Binary and hexadecimal	**Octal and hexadecimal**
What is used by the JSONObject and JSONArray constructors to parse JSON source strings?	**JSONTokener**	JSONParser	JParser	ParserJ
Which statement about the space parameter in JSON.stringify() is false?	It controls spacing in the resulting JSON string	All three statements are false	**It removes whitespace**	It is an optional parameter

OPTIONS

STATEMENTS	A	B	C	D
LINQ provides a rich and standardized query syntax in _____ programming languages	**.NET**	C++	VB	SQL
LINQ allows developers to interact with _____ type of data	numeric	character	**any**	alpha-numeric
In c# or vb.net, the LINQ functionality can be achieved by importing _____ namespace in our application.	linq.system	**System.Linq**	System.import	import.system
LINQ queries _____ results as objects.	select	linking	delete	**return**
ADO.NET LINQ Techniques	LINQ To Datasets	LINQ To SQL	LINQ To Entities	**All Of These**
Which is/are the advantage(s) of LINQ?	IntelliSense Support	Readable Code	Shaping Data	**All Of These**
Which is NOT the advantage of LINQ?	Familiar Language	Less Coding	**Compile Time Safety Of Result Sets**	None
At LINQ's core is the _____	**query**	datasets	result object	arrays
In order for a source of data to be used by LINQ, it must implement the _____ interface.	Enumerable	**IEnumerable**	EnumerableI	None
The above mentioned interface is declared in	System.GenericCollection	System.Generics	**System.Collections.Generic**	None
A query can be executed _____ time(s)	only one	**multiple**	only two	neither
Which query method(s) do/does not take(s) one argument	**join**	select	group	B & C
Returns the length of the sequence.	Lenghth()	**Count()**	Max()	A & B
In LINQ, queries have _____ mode(s) of execution	one	**two**	three	none
The mode(s) of execution in which a query does not execute until a foreach statement executes	Query Execution	Immediate Execution	**Deferred Execution**	All Of These
The mode(s) of execution in which a query executes automatically in order to obtain the result	**Immediate Execution**	Deferred Execution	None	Both
Which is Immediate Execution method(s)	Count()	ToArray()	ToList()	**All Of These**
_____ provides support for parallel programming	LINQ	**PLINQ**	.NET	A & B

_____ can not be executed itself but can be converted into an executable form	Query Execution	Extension Methods	**Expression Trees**	None
_____ help C# support a variety of data sources	**Expression Trees**	Extension Methods	Both	Neither
Executable form of expression tree can be obtained by calling	Expression()	Execute()	Contains()	**Compile()**
_____ can be used to sort on one or more criteria	Sort()	**Orderby()**	ToSort()	All Of These
_____ can be either ascending or descending	**Sort-on**	Orderby	Max()	None
_____ clause determines what type of elements are obtained by a query	contains	where	**select**	A & C
_____ clause enables you to retrieve data that is organized into sequences of related items	Groupby	**Group**	A & B	None
The clause(s) that can end a query	Select	Group	From	**A & B**
Who owned JAVA when it was introduced in 1990?	Microsoft	**Sun MicroSystems**	Oracle	None of these
In 2010, JAVA was purchased by?	Microsoft	Sun MicroSystems	**Oracle**	None of these
Basically JAVA comes for?	**Embedded System**	Operating Systems	Networking Systems	None of these
Who developed C# language?	James Gosling	**Andres Hejlsberg**	Dannies	Bjarne Stroustrup
Who developed Oak(JAVA) language?	**James Gosling**	Andres Hejlsberg	Dannies	Bjarne Stroustrup
Which language has the ability to compile different programming languages into one compiler?	C++	C	Java	**C#**
What is compiler name of C#?	CTS	**CLR**	JVM	None of these
What is compiler name of JAVA?	CTS	CLR	**JVM**	None of these
What is the use of CLR?	Object declartion & creation	Error & exception handling	Data types & language libraries	**All of these**
Two parts of CLR are?	**CTS & CLS**	CLS & CLR	CTS & CLR	None of these
C# code first compile into?	Byte code	**Intermediate code**	Machine code	None of these
Built-in available libraries are called?	**Core FCL**	other FCL Components	CLR	None of these
JAVA compile?	exe code	**Byte code**	Both	None of these
C# compile?	**exe code**	Byte code	Both	None of these

Which two languages are called cousin languages?	C and JAVA	C & C#	C & C++	**C# & JAVA**
Which are of two major components of .NET Framework.	CTS & CLS	CLS & CLR	**FCL & CLR**	None of these
Languages which are Compiled by MS?	VB & C++	C# & J#	VB & Jscript	**All of these**
The .NET Framework provides?	Dramatically simplifies development & deployment	Provides robust and secure execution environment	Supports multiple programming languages	**All of these**
1) GUI stand For	a) General User Interface	**b) Graphical User Interface**	c) BOTH	d) none
2) WPF stands for	**a) Windows Presentation Foundation**	b) Windows Process formation	c) none	
3) Backend coding of WPF is	a) XML	b) HTML	**c) XAML**	d) none
4) WPF dependency on totally that design of which window we use?	**a) True**	b) False		
5) Code executed by CLR instead of OS which run in compiler first?	a) unmanaged code	**b) managed code**	c) none	
6) code executed by OS and not understand by C# compiler	**a) unmanaged code**	b) managed code	c) none	
7) FrameworkElement is derived from	a) control	**b) UIElement**	c) Application	
8) Which of the following layout is not available in WPF?	**a) Table**	b) Grid	c) none	
9) WPF is a replacement to DirectX?	a) True	**b) False**		
10) Transformations are available in which namespace?	a) System.Windows.UIElement	b) System.Windows.Framewo	**c) System.Windows.Media**	
11) Which tool(s)is/are used to develop WPF applications?	a) Visual Studio	b) Expression Blend	**c) Both a & b**	
12) What is XAML?	**a) Extensible Application Markup Language**	b) Extensible and Markup Language	c) none	
13) WPF separates the appearance of an user interface from its behavior. The appearance is generally specified in the_____.	a) XSLT	**b) XAML**	c) XML	
14) In WPF Padding controls how much extra space gets placed around the inside edges of the element.	a)False	**b) True**		
15) The TextBox control shows a default context menu with options to Cut, Copy and Paste. Can we override this context menu	**a) True**	b) False		
16) WPF supports which type of application	A) Windows Application	B) Navigation Application	C) XBAP	**D) All of the above**
17) WPF application can be deployed by?	**A. ClickOnce**	B) ClickTwice	C) ClickThrice	
18) How many child controls can a content control contain?	**a) 1**	b) 2	c) 3	

19) For Showing the dialog box modally which method is used?	a) Show	b) OpenDialog	**c) ShowDialog**	
20) In WPF for Drag and Drop facility which class is used?	a) DoDragDrop	**b) DragDrop**	c) WPF Does not support Drag and Drop facility	
21) What is the stand for is XBAP?	A) extensible based application	B) XAML Based Application	**C) XAML Browser Application**	
22) Events Supported by WPF?	**a) True**	b) False		
23) WPF transformations can be used for?	A) only rotation	B. Only scaling	**C) rotation, scaling, and skewing**	
24) Which object can be used share the variable across pages in WPF?	**A) Application**	B) Session	C) Viewstate	
25) Which of the following is true regarding XAML?	A) Separation of designer code and logic	B) Tools like Expression Blend do not support XAML	C) XAML is platform independent.	**D) ALL**
26) Which class is used for data binding in WPF?	A) Data	**B) Binding**	C) none	
1. AJAX is a developer's dream because you can:	a) Update the webpage without reloading.	b) Request data from the server.	c) Receive data from the server.	**d) All of the above.**
2. Ajax is a programming language.	a) True	**b) False**		
3. AJAX Stands for:	**a) Asynchronous Javascript and XML**	b) Abstract JSON and XML	c) Another Java Abstraction for X-Windows	d) Another Java and XML Library
4. When the value of readyState is 4 it means that:	a) server connection established	b) request sent	c) processing request	**d) request finished and response is ready**
5. When the status of request is 200 it means:	**a) OK**	b) Forbidden	c) Page not found	d) None of the above
6. When an event occurs in the browser which type of object is created in AJAX:	a) Request	**b) XMLHttpRequest**	c) None of the above	d) Both a and b
7. What server support AJAX:	a) SMTP	b) WWW	**c) HTTP**	d) None of the above
8. Which Web browser is the least optimized for Microsoft's version of AJAX?	a) Firefox	b) Chrome	c) Interent Explorer	**d) Safari**
9. AJAX uses:	a) JSON	b) Jquery	c)None of the above	**d)Both a and b**
10. What does Jquery.getJSON method do:	**a) Load JSON data using an HTTP GET request.**	b) Load JSON data using an HTTP POST request.	c) None of the above	
11. AJAX uses _____ for dynamic content display	a) DOM	b) CSS	c) Javascript	**d) Both a and c**
12. Conventional web applications uses:	**a) Synchronous Requests**	b) Asynchronous Requests	c) None of the above	
13. What are synchronous requests:	**a) In which the script stops and wait for the reply**	b) In which the script allows the page to continue	c) None	
14. What are Asynchronous requests:	a) In which the script stops and wait for the reply	**b) In which the script allows the page to**	c) None	

15. Which one of these technologies is NOT used in AJAX?	a) DHTML	b) DOM	c) CSS	**d)Flash**
16. A user can continue to use the application while the client program requests information from the server in the background.	**a) True**	b) False		
17. Is mouse movement an event	**a) yes**	b) no		
18. AJAX examples is/are:	a) Google Maps	b) Google Suggest	c) GMAIL	**d) All of the above.**
19. When we say that a browser does not support AJAX what does it mean:	a) The browser does not support creation of Request	**b) The browser does not support creation of**		
20. The abort method of XMLHTTPRequest	a) Returns the complete set of HTTP headers as a string.	**b) Cancels the current request.**	c) None	
21. The getAllResponseHeaders() method of XMLHTTPRequest	a) Returns the value of the specified HTTP header.	**b) Returns the complete set of HTTP headers as a**	c) None	
22. AJAX comes in _____.	a) 2003	b) 2006	c) 2004	**d) 2005**
23. The drawback in AJAX is:	**a) JavaScript code is visible to a hacker**	b) We don't have to refresh again and again to see the	c) None	
24. AJAX made popular by:	a) Microsoft	b) IBM	c) Sun Microsystem	**d) Google**
25. The function of fetch() operation in JavaScript is:	a) To load content onto the screen by refreshing the	**b) To load content onto the screen without**	c) None	
26. _____ JavaScript is also called client-side JavaScript.	a) Microsoft	**b) Navigator**	c) LiveWire	d) Native
27. _____ JavaScript is also called server-side JavaScript	a) Microsoft	b) Navigator	**c) LiveWire**	d) Native
28. What does the tag do?	**a) Enclose text to be displayed by non-JavaScript**	b) Prevents scripts on the page from executing.	c) Describes certain low-budget movies.	
29. Using AJAX we can made our web page	**a) more interactive and faster**	b) easy to connect web page with server	c) more dynamic	d) None
30. ActiveX can be disabled via browser settings.	**a) True**	b) False		
1>To implement delegates, the necessary condition is?	**a) class declaration**	b) inheritance	c) run time polymorphism	d) exceptions
2>To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?	a) namespace	b) interface	**c) delegate**	d) attribute
3>Choose the incorrect statement among the following about the delegate?	a) delegates are of reference types	b) delegates are object oriented	c) delegates are type safe	**d) none of the mentioned**
4>Which among the following is the correct statement about delegate declaration ? delegate void del(int i);	a) on declaring the delegate, a class called del	b) the del class is derived from the MulticastDelegate	c) the del class will contain a one argument constructor	**d) all of the mentioned**
5>Which of the following is an incorrect statement about delegate?	a) a single delegate can invoke more than one	b) delegates could be shared	**c) delegates are type safe wrappers for function**	d) delegate is a value type
6>Which among the following differentiates a delegate in C#.NET from a conventional function pointer in other languages?	a) delegates in C#.NET represent a new type in the	b) delegates allows static as well as instance methods	c) delegates are type safe and secure	**d) none of the mentioned**

7>Choose the incorrect statement about delegates?	**a) delegates are not type safe**	b) delegates can be used to implement callback	c) delegate is a user defined type	d) delegates permits execution of a method
8>Which of the following statements is correct about a delegate?	a) inheritance is a prerequisite for using	b) delegates are not type safe	**c) delegates provides wrappers for function**	d) none of the mentioned
9>Delegates are of ------------ types.	**a)Two**	b)One	c)Three	d)no type exist
10>Delegate Must be ----------------	a)private	b)protected	**c)public**	d) private and public
11>How many events can be handle by delegates?	a)Single event	b)Multiple events	c)No event handling	**d)Single and mltiple Events**
12>An Event is	**A. The result of a users action**	B. result of a party	C. code to force users action	
13>A delegate defines	A. a Wahsington representative	**B. a class that encapsulates methods**	C. a means of passing arrays into methods	D. a substitue for an inherited method
14>The Lambda Expressions can be of -----------types:	a)one(Expression Lambda)	**b)Two(Expression Lambda,Statement Lamda)**	c)Two(Expression Lambda,Anonymous Lamda)	d)None of the Above
15>Anonymous method is a block of code, which is used as a parameter for the ------------	a)Function Parameter	**b)For Delegate**	c)event	d)LamdaExpression
16>Anonymous methods are introduced in ---------------	**a)C# 2.0**	b)C# 1.0	c)C# 3.0	d)none of the above
17>Which Keyword is used to declare the anonymus Method?	a)public	b)private	**c)delegate**	d)no Keyword only paranthesis
18>The Genereal form of Decleration of Delegate is:	a)delegate ret_type name(parameter list)	b)ret_type delegate name(Parameter list)	**c) delegate ret_type name(parameter list)**	d)none of the above
In Which Folder we add new database ?	**app_Data**	App_start	content	controllers
In Which Folder we add model classes ?	app_Data	**model**	content	scripts
which option is used to view table's data ?	select table data	open table definition	**show table data**	open data
which method is used by developer to view content in url ?	post	**get**		
which one is not viewable method ?	**post**	get		
Model are used to :	share data in classes		to add class in data base	**access the data in database**
in **DataClasses1DataContext** the model name is :	**DataClasses1**	DataContext	classes1	Data
return View(DataClasses1DataContext.Table_name.ToList())	**return table data**	display data on screen	**return table data to model**	return table object
return RedirectToAction("Contact") :	**redirect to Contact page**	return contact page	return action object	return content of contact
InsertOnSubmit(table):	**Adds an entity in a pending insert state**			

DeleteOnSubmit():	**Puts an entity from this table into a pending delete**			
Computes the set of modified objects to be inserted, updated, or deleted, and executes the appropriate commands to implement	Refresh()	ExecuteQuery()	**SubmitChanges()**	
application_Name.Models.DB :	**use to make Strongly Typed View**	use to acces data base	use to access models	use to make dynamic view
Strongly Typed Views are those in which :	data is not available	**data can be accessed using models**	we can't use the actual behavior of the Model	we can use the actual behavior of the Model
Model objects store data retrieved from :	HardDrive	Variables	RAM	**database**
Scaffolding is a _____ framework for ASP.NET	**Code Generation**	Data Generation	Segment Generation	
You add scaffolding to your project when you want to quickly add code that interacts with	**Data Models**	DataBase	Data Operations	
Benefit of scfolding is that you can easily create views for Index, Create, Edit actions.	**TRUE**	FALSE		
We always add scaffolded Item in _____ section.	**Controllers**	Views	Models	
Scaffolding is not good for writing complex business logics.	**FALSE**	TRUE		
In Which Folder we add new database ?	**app_Data**	App_start	content	controllers
In Which Folder we add model classes ?	app_Data	**model**	content	scripts
which option is used to view table's data ?	select table data	open table definition	**show table data**	open data
which method is used by developer to view content in url ?	post	**get**		
which one is not viewable method ?	**post**	get		
Model are used to :	share data in classes	view data	to add class in data base	**access the data in database**
in **DataClasses1DataContext** the model name is :	**DataClasses1**	DataContext	classes1	Data
return View(DataClasses1DataContext.Table_name.ToList())	return table data	display data on screen	**return table data to model**	return table object
return RedirectToAction("Contact") :	**redirect to Contact page**	return contact page	return action object	return content of contact
InsertOnSubmit(table):	**Adds an entity in a pending insert state**			
DeleteOnSubmit():	**Puts an entity from this table into a pending delete**			
Computes the set of modified objects to be inserted, updated, or deleted, and executes the appropriate commands to implement	Refresh()	ExecuteQuery()	**SubmitChanges()**	
application_Name.Models.DB :	**use to make Strongly Typed View**	use to acces data base	use to access models	use to make dynamic view

Strongly Typed Views are those in which :	data is not available	**data can be accessed using models**	we can't use the actual behavior of the Model	we can use the actual behavior of the Model
Model objects store data retrieved from :	HardDrive	Variables	RAM	**database**
Model View Controller is the full form of MVC .	**Yes**	No		
which of the following is the extension of MVC view when using vb.net?	cshtml	**vbhtml**	Both A & B	None
MVC is composed of three components These are ?	Member Vertical Controller	Model Variable Centered	**Model View Controller**	Member Vertical Controller
we can use view state in MVC ?	Yes	**No**		
. Does Razor Engine supports for TDD ?	**Yes**	No		
MVC 6 was introduced new JSON project-based structure?	**Yes**	No	Both A & B	None
What is the extension of MVC view when using C#?	**cshtml**	vbhtml	Both A & B	None
MVC 6 was introduced new JSON project-based structure?	**Yes**	No	Both A & B	None
. _____namespace is used for ASPX View Engine.	System.Web.Razor	**System.Web.Mvc.WebFor**	Both A & B	None
Viewstart comes under which folder name ?	**Views**	Account	Shared	Home
_____is the name of default Viewstart Page in ASP.Net MVC.	**_ViewStart.cshtml**	_Login.cshtml	_Layout.cshtml	None
Is ViewBag slower than ViewData in MVC?	**Yes**	No		
In model-view-controller (MVC) architecture, model defines the _____ .	Data-access layer	**Business-logic layer**	Presentation layer	Interface layer
. _____Request Processing technique follows ASP.Net?	Top-Down	Down-Up	**Pipeline**	Waterfall
For razor views the file extensions are _____ .	.cshtml: If C# is the programming language	.vbhtml: If VB is the programming language	**Both A,B**	None
1. MVC stands for:	a. Model Visual Controller	b. **Model View Controller**	c. Multiple View Console	d. Multi-View Controller
2. Classes that are linked with Database represents _____ in MVC.	a. Controller	b. View	c. Console	d. **Model**
3. In MVC, application is divided in how many parts?	a. 5	b. 4	c. **3**	d. 2
4. If a software house is developing an application using MVC, how is it good or bad for a new worker?	a. **The application will be easier for the worker to**	b. It will be difficult for the worker to understand	c. Worker will not be able to understand the	d. Worker would get frustrated because of
5. How are MVC Applications better than Monolythic Applications?	a. Work is divided.	b. If there is an error in a layer, we just need to	c. It will be easier for a new programmer to	d. **All of the above.**

6. Model is related to:	a.	Data-related Logic.	b.	Business Logic.	c.	**UI Logic.**	d. None.
7. The Model component corresponds to:	a.	**Database.**	b.	Design.	c.	Manipulating Data.	d. None.
8. Controller processes:	a.	Business Logic.	b.	Incoming requests.	c.	**Both 'a' and 'b'.**	d. None.
9. Contoller manipulates data using which component(s)?	a.	View.	b.	Design.	c.	Visual.	d. **Model.**
10. Controller interacts with View to:	a.	**Render final outputs.**	b.	Manipulate data.	c. Process Incoming Requests.		d. None.
11. Is the framework customizable?	a.	**True.**	b.	False.			
12. If you don't want to use built-in View Engines (RAZOR or ASPX), you can:	a.	Use third party View Engines.	b.	Customize the existing ones.	c.	**Both 'a' and 'b'.**	d. None.
13. File Extension of Razor Syntax is:	a.	html	b.	**cshtml**	c.	schtml	d. rshtml
14. Razor Syntax file name starts with:	a.	[&]	b.	[$]	c.	[#]	d. **[@]**
15. Which View Engine was being used before Razor?	a.	**ASPX**	b.	ASP	c.	X-RAZOR	d. RAZOR-X
16. Difference b/w html and cshtml is:	a.	Server-side programming is done in	b.	**Server-side programming is done in**	c.	Client-side programming is done in	d. Client-side programming is done
17. If we add a new controller, then a new folder will be formed in _____ folder.	a.	Home	b.	Models	c.	**Views**	d. Scripts
18. ActionResult method of a controller must have the same name as the file in:	a.	'Views' folder	b.	**Sub-Folder of that View.**	c.	both a and b	d. None.
19. URL will run as long as:	a.	The code is working fine.	b.	Server isn't running.	c.	Server is running.	d. **Both a and c.**
20. What folder is linked with all components?	a.	**Shared**	b.	Home	c.	Scripts	d. Controller
21. Shared Folder has:	a.	Layout	b.	Error	c.	View Start	d. **all**
22. Requests comes to:	a.	Layout	b.	Error	c.	**View Start**	d. None.

Which of the following is True?	Entity Framework is an MVC framework.	**Entity Framework is an open source ORM framework.**	Entity Framework is a framework for database management tool.	Entity Framework is object mapping tool.
What is an Entity Data Model (EDM)?	EDM is a model for the underlying database.	**EDM is a model that describes entities and the relationships between them.**	EDM is responsible for caching data in EF.	EDM is responsible for executing database commands.
ModelContainer mc = new ModelContainer(); Student st = new Student(); st.Name = "Ali"; mc.Student.Add(st); mc.SaveChanges(); The above code will execute which of the following command to the database?	**Insert**	Update	Delete	None of the above

Question	A	B	C	D
Entity framework is an object _____ framework.	Functional	Focused	Object	**Relational mapping**
In how many ways can an entity objects be created?	6	4	3	**2**
In which case is the empty model option selected when adding the ADO.NET Entity Data Model to the application	If an entity data model does not previously exist.	**If a database does not exist.**	If an entity does not exist.	None of the above
Which KeyWord is added to the model name when creating an object?	New	**Container**	ModelContainer	User
Which of the following development approaches are supported in Entity Framework?	Code-First	Database-First	Model-First	**All of the above**
Which of the following is a feature of entity framework?	Allows insert, update but not delete command	**SQL command generation from LINQ to Entities.**	Tracks multiple entities with the same key value.	None of the above
LINQ to SQL is considered as Microsoft's ---- product?	(a) **ORM**	(b) JDBC	(c) ODBC	(d) SQLLIB
Point out wrong statement	(a) **Compared to SQL, LINQ is complex, tidier and lower level**	(b) LINQ supports and hoc join	(c) You can query cross relationships in LINQ without having join	(d) None of mentioned
When do LINQ queries actually run?	(a) When they are iterated over in a foreach loop	(b) When calling the ToArray() method on the range variable	(c) When calling the ToList() method on the range variable	(d) **All of the above**
What types of Objects can you query using LINQ?	(a) DataTables and DataSets	(b) Any .NET Framework collection that implements IEnumerable(T)	(c) Collections that implement interfaces that inherit from IEnumerable(T)	(d) **All of the above**
Which of the following statement is true?	(a) CommitChanges is a method of SqlDataContext.	(b) **CommitChanges is a method of DataContext.**	(c) CommitChanges is a method of DbDataContext.	(d) CommitChanges is a method of OleDbData Context
DataContext object is constructed in LINQ to SQL using ___	(a) NorthwindDataContext db = new malloc NorthwindDataContext();	**NorthwindDataContext db = new NorthwindDataContext();**	(c) NorthwindDataContext db = new NorthwindData();	(d) None of the mentioned
Which of the following method is used to delete records in LINQ?	(a) Delete	(b) DeleteOn	(c) **DeleteOnSubmit**	(d) None of the mentioned
Which of the following objects represents a LINQ to SQL map?	(a) DataSet	(b) XElement	(c) ObjectContext	(d) **DataContext**
How you can merge the results from two separate LINQ queries into a single result set.	(a)Use the ToList method.	(b) Use the DataContractJsonSerializer class.	(c)**Use the Concat method.**	(d) Use the XElement class.
Which of the following statements is true?	(a) LINQ to SQL works with any database.	(b) **LINQ to SQL works with SQL Server.**	(c) LINQ to SQL is a CLR feature.	(d) LINQ to SQL is a SQL Server feature.
Which LINQ keyword is used to categorize results in a query?	(a) where	(b)select	(c)join	(d) **group**
LINQ query can work with?	(a) DataSet	(b) Array	(c) List<T>	(d) **All of the above**
Which LINQ statement is used to merge two data sources to perform queries?	(a)where	(b)select	(c) **join**	(d)group
What types of shapes LINQ query results cannot be shaped into?	(a) Collections of primitive types	(b) Collections of complex types	(c) **Single types**	(d) Collections of anonymous types
Which interface defines the basic extension methods for LINQ?	(a) IComparable<T>	(b) IList	(c) **IEnumerable**	(d) IQueryable<T>
Which query expression is used to limit the number of results?	(a) Skip	(b) **Take**	(c)Where	(d)Select

Choose the namespace in which the interface IEnumerable is declared?	(a) System.Collections	(b)**System.Collections.Generic**	(c)Both System.Collections & System.Collections.Generic	(d)None of the mentioned
Select the namespace which should be included while making use of LINQ operations?	(a) System.Text	(b) System.Collections.Generic	(c) **System.Linq**	(d) None of the mentioned
LINQ's core is	(a) **Query**	(b) Collections of complex types	(c) Both	(d) None of the mentioned
The type of range variable must ____ with the type of data stored in data source.	(a) be different	(b) **agree** or **same**	(c) Either same or different	(d) None of mentioned
Keyword to produce sorted results in LINQ:	(a) **orderby**	(b) arrange	(c) sort	(d) Both (a) and (c)
A query can contain ____ from clause.	(a) only one	(b)**One or more than one**	(c) not more than two	(d) None of mentioned