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Class :- MSC ICT sem-2

Subject :- ICT 201: C#. NET

ROIL NO: 35

Assignment :- 3

What is sevialization? Explain types of sevialization and its usage with requirement.

Serialization is the process of convoling an object into a strong of bytes a to store the object or promit it to momory, a database or a file.

The main propose is to cave the state of an object in order to be able to recreate it

an object in order to be able to recreate when Meeded. The reverse process is salled describing describing.

How suidiration works!

this illustration show the process of saidization

The object is serialized to a strom that

- The shram may also have information exact

the stream, the object can be stored in a database, a lite, or memory object yes of semalization! - scielization allows the developer to serve the State of an object and re-create it as heeded providing storage of objects well as data exchange. Though serialization a developer can perform actions such or e sending the object a remote application by uning a passing an object from one domain to another JSON or xml string. e maintaining seturity or user-specific - Jepe et scrislization! - O Isan guiglization:

The System. Text. Tram-

hamespace contain classes for Javanipt Object Notelon (Jion) sendizetion and description Jeans that is commonly used for sharing data across the ordo.

+ y Binary and xml swislinghant

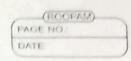
- system. Runhime. scriptization namespare contains and description.

- Binary scridization uses binary encoding to storage or jocket-based network etreams. In binary serialization, all members exen members that are read-only care suidized and performed is enhanced.

- And scriptization the scriptize the public and properties of an object , or the parameter, and return relyer of methods, into a xml mean that conforms to a specific xML schema diffichen longuax. (xSD document. xmc swiglization result in strongly typed classes with public propulies and fielde that are converted to xml.

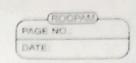
· 3 making an object revializeble,:

For Anay or XMI suidizaton , you need,



· A stream to contain the serialized object.

· A system. Runtime. Serialization. Januarlen indance. · (ey Basic and custom seralization. In two ways, basic and custom. Raise suidfischon wer NET to automaliading serviced the object. The only requirement is that the class has the Scriptischlethibute attabuted applied. The pronserialized Attibute can be used to keep specific Rad from being swidlized.



Explain Binary pericultation and periodization of Generic collection of men defined class in details. Serialization can be defined as the process of storing the state of an object to a storage During this pores, the public and mirate moluding the assembly containing the elass and converted to our a stream of bytes, the object is subsequently duridized an exact close of the original object is created. Binary scralization allows modifying private member i'mide an object and therefore changing the state of it. Because of this other scriptization Francworks, like Sptem. Textertion, that sparte on the public APT surface are recommended

+1 example

using System, Collections;
using System, Collections;
using system, Runtime, Serialization. Formathers Binary;

protected void page load (object sender, Brent by te)

Employeer emps = New Employees (1);

emps. Add ( New Employee ("1", " " ) Hearth"); emps. Add (new Employee ("2", " Inlift"); emps. Add (new Employee ("3", "Decpek"); emps. Add (new Employee ("3", " How om"); emps. Add (new Employee ("5", " Suresh"); Shing pth = @ MD', a Tertibia" Swialize & Employees > (emps, pth);

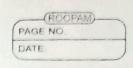
Descriptive (pth); public void Sevielize KT? & Temps, shing Blimames System. 20. Sheam Ms = File. opendrite (Blename); Binaufornation formatter = new Binary formatter (); formatter: Serialize (m., emps); ms.flusher; ms.closect; 2, ms. Pisport();

public T Desvielle & T> ("Thing Bilename)

Binoughormatter formatter = new Binoughornetters;

Riletheam & - Rile open (Rilename Rilemade open)

object obj = famelter. Derendize (fi)



Temps = (Tloby';

Ar. flush();

Ar. close();

Ps. Rippose();

return emps;

public roid Perrialize (Ming Rijename)

Employeer emps = leveralize & Employeer >
(Dilename);

Arreach (Employee employee in emp)

Ausome. Unite lemployee. Name et "khrlo"]

3