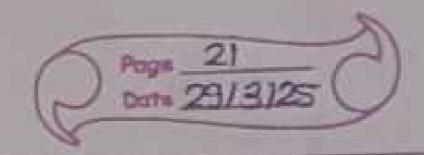
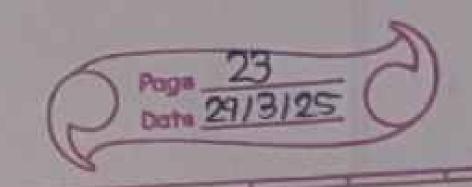
C#	Paei	ims	Papes
	De de	8	



	Q-1 (A)
J.	Imlegacied Development Envisionment.
	Compartes program and that requires and executes under
	the Management of a nuntime envisonment.
	Gode that runs aleactly on the os bypassing the CLR,
	and it typically waitten in longuages like Cob Ctt;
	Q-1CB)
7	Just - in -time :- reduces waste, improves cash flow,
	in energies dexibility optimizes
	human reconsces and encousages team
	Those types of III
	17.5565
73	• Pre JIT Compiles
	· Normal JIT Compiles
	"Econo JII Compiles
	9-100
1.	List of Looping stanctuse:
	· (antho) Statements
	© 100PS
	* Fo95 Loop
	e while loop
	* Do while loop
	- Nested Loop
	· Baeak
	* Continue

F09-100P initialization; Condition; iteration) Synter :-F TOTAL TOTAL DE MATERIAL MA 1/Code you want to Restorm 3 - The state of t THE RESIDENCE OF THE PROPERTY OF THE PERSON Example :-PETERS 9 © zsing system; using wisher system windows fooms; LIBERT BUTTON Public stone class loop FELDER STREET public stortic void main constaining sco) CONTINUES OF THE BANKS, for cint 1=1; is=5; i++) Console wordeline(i); THE THE REST OF THE PARTY OF TH Console Read Line(); O OUTPUT: - I



Q-1(A)

- I. Information about your program's types and members,

 stored in an assembly, that enables certdescribing files and facilitates language interoperability

 and component-based design
- 2. Common language Runtime
- 3. Common Type System.

Q-2(B)

I. In C#, nameSpaces are used to organize

code, prosticularity classes, structs, interfaces

and other types, into logical groups;

preventing naming Conflicts and improving

Code pros Readability and maintainability.

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2-200

I. net framework

A software framework developed by Microsoft

for building and running application on

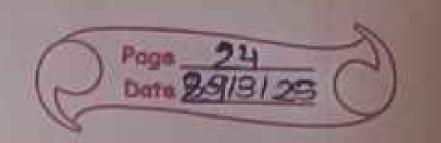
windows, providing a consistent envisorment

for programming languages like c#, and

affering tools and libraries for various.

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Advantages

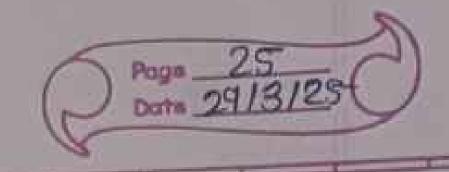
- This allows developess to builds applications
 that an run on windows, limit, and macos.
 This includes jubbaries to web development,
 and access, us development, and mose

 other access, us development, and mose

 other eliminates the need to developes s to
 - manually allocate and deallocate memory memory meducing the risk of mamory leacks and impossing onde reso reliability.
 - The acobage collectos automatically Identifies and closes unused system resousces to the theory of regular intervals.
 - ond active developed committy, providing example support, resources, and solutions

Pisadvontages

- . This can lead to challenges when developing applications that need to run on non windows Platforms
- especially those developing applications across multiple plotoforms.
- collectes to manage memory, it has faced criticis in the potential memory leaks.



Q-2(A)

- I. Belong to the class if self, not to any specific instance and use accessed using class name, not and instance,
- 2. Instance of a class
- 3. One that cannot be inhesited, pseventing others classes from desiving from it, effectively restriction extensibility and ensuring a fixed stancture.

from the state of the contract of the state of the state

I was to the first the state of the same o

Q-2(B)

I Intestace inhasitance allows on intestace

(derived intestace) to inhasit membass

(methods, proposities, events, and indexess)

from one to or more base investaces,

enobling a class to implement multiple intestaces

and achieve a form of multiple inhasitance.

9-200

1. CH Poimers consofe rode) allows memory direct
manipulation, enabling operations like accessing
memory addresses and modifying vasious valves
disectory

Example

using systems

Public class Pointes Example

public static void main (Staing 553)

S THE RESERVE THE PARTY OF THE

Int mynum = 203

int mypointess

mypointes = & Mynum;

Console walteline ("osiginal value: "+ mymum);

Console waiteline (" value pointed to by my pointed !"

METER THE PROPERTY OF THE PARTY OF THE PARTY

+ myPaintes 1;

*mypointes = 20;

Console, waiteline (" Modified value: " + myrum); 3 THE BALLS

3 - The state of t

Ogiginal volue : 10 Volue pointed to by MyBintes: 10 Modified Value : 20

Q-2(A)

A special type of class that can't be instantiated disectly and it designed to be base class for other classes, providing a common template with protial or no implementation, forcing desired classes to implement specific methods.

2. class is a blueprint or template for creating objects, encapsulating data and behaviors of that define a specific type of entity or concept.

3. Polymorphism means "Manny forms", and it occurs when we have many classes that are nelated to each other by inheritance!

Q-2CB)

1. Encapsulation is a fundamental concept in obtect oriented Programming (OOP). it refers to the bundling of data related operations into a single unit, or object.

Witten description of the state of the state of

18 me i en l'estate de l'estat

In ctt, encapsulation is achieved through the use of classes and access modifiess such as public poincite, protected.

I by to Be . The fire the

TEN IN - 3

2-2CC)

. Consystetos :- to Constantidos is a some name as a class and when create a object "H9 class so Constanctos is rem access without declasation os calling. The state of the s

Example: - constantos ovesloading. The second of th

using System.

public dass co.

Since the second to the second

Public Static void malnostaina SDJE

Console Read Line 1; 3

public void co cint a) {

Console white line (b) 5 4 ALERY THE BUSINESS OF BUILDING TO THE TOTAL TOTA

Public void co colouble d) &

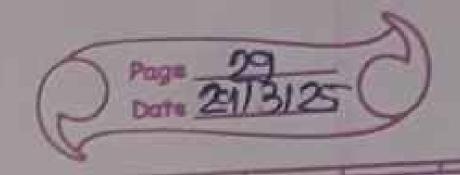
double e = d;

Console westerine ce); y

Little of the state of the stat

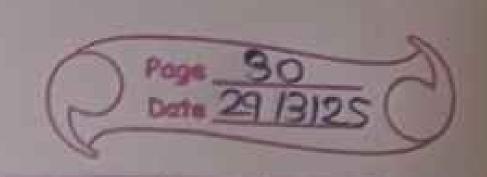
autput: -

5.6



Q-3(A) I. Combobox displays a textbox combined with a listBox. which enables the uses to select thems from the 11st on enter a new value; C# listbox is used to odd mutiple elements to postorm any specific operation. 3. SchollBass Represent the schollBass enumeration value that indicate when then a mutiline TextBox Control appears with no soul bass, a horizontal scholl book, a ventical scroll book, on both SERVICE PROPERTY OF THE PROPER Q-3(B) - The Court of the Party of the Menustaip DESIGNATION AND DESIGNATION OF THE PARTY OF Menusialis a Control used to Greate and. monage menus in windows forms applications THE PARTY OF THE P ContextMenustaip Context Menustrip is a control allows you to display a shop object meny when a used right -click on a specific control or area of a form. Q-3CU

List of Dialog Box:



to I must be made to

- Show dialog ()
- · MessageBox L
- openfiebiologu
- · Sovefie piolog U
- · Paint Diglog () The same of the state of the same of the s
- -> show Dialog() :- You can coecite a Gustom dialog Box by designing a form and then displaying it useing the Showdialay Method.

- Messoge Box ():- pisplays of simple Message box with an optional title, Mossose, buttons, and icon

to it is the first men to the three trainings

- openfilediolog():- Allows the uses to select othe to ppen
- AND THE PROPERTY OF THE PARTY O Sovefile Dialog(1:- Allows the uses to select a location and firemame to save a file
 - -> Point Diolog ():- Allows the nices to configure belief obtions.

Q-3(A) I Pictus-Box is used to display graphics from a bitmap, Metafile, icon, JPEG, GIF, 09 PNG file. we use buttons whenever we need to posterin operations like Sovel, Connel, seasch, etc. Allows the uses to choose one option from alist of options when paired with other RadionButton contable. The second of th 2-3(B) I open vs and cheate Project in Start window · Cheare a new project select windows from app (net formewook) template for C#. · Enter name of your protect and click on cheate and your project is ordered Q-3CCI The state of the s List of Those Events in c# windows toom application :-The transmission of the state o click event load event @ Text change event

VILLEY CHIEF THE LOUR CONTRACTOR OF THE PARTY OF THE PART

ciick event :- whenever users click on any
items so postorm on operation
as a your normed for aspectation

Load event: - whenever form load first time

so call load event to of form

and Load your operation

written in load overt.

Text change event: - wheneves usin vses usine

os change text on in tools

so that call text change

and restan a code as

you white:

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The South Market

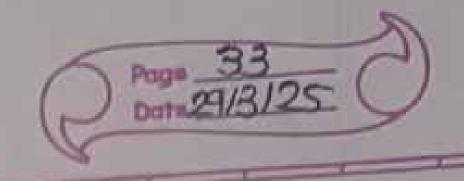
Q-4(A)

- 1. The Data Row is an object of Data Table

 2. Data Column is an object of Component of
 DataTable
- 3. Data Relation used to Relate two bara Table objects.

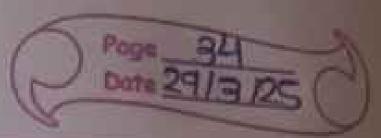
2-4B)

I. An ADD. Net data provides connects to a data sauce THE WALL BY NOWS ! SHOWING Such as son seems sonacles as an ole DB data Sousce, and Poovides execute commands way against to that data consistent Sousce monnes in that 6 independent of do

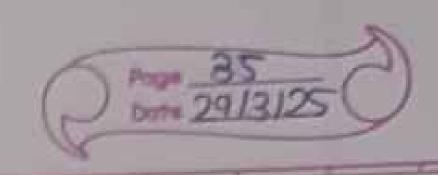


	and Data sousse-Specific functionaity:
	Q-4cc
	The property of the second of
0	pisconnected Aschitechtes
	using System.
	using system windows form;
	uing g data salis
	nomespace Insent Data &
	mind butto1 - citck cobject sendes, lalentasys e
	E Sqlonnection con = new Salconnection ('Data Sousce: "Co Locald B) 1 MSQL Locald B; Attely DB Filename = I Data Brectos) 11 To mot;
	Integrated Securit = true");
	" " " " TO TO WOULD CID DOM POSSIE
	Dotatable DT = new partitable 11;
	DA. FILL (DT) 3
	The state of the s
	A DESCRIPTION OF THE PARTY OF T

a mostly like the part was made to



	- Come 29/3 25 ()
#	
1	Q-UCA)
In	A paraview enables you to apart different views of the data stored in a paterfable.
	LI Joseph Rotten Rotten
2.	Command 15 a behaviors of simple apportions into object
	a sect that is steed to me
3.	data from the data sousces.
_	Carlo Trom The clara
	Q-403)
I.	
	These is a example of connection and
	its object.
	co con ic
	a stains of a datasouse of table.
	Q-4(C()
1	Cormersed and
1.	Cormerted Aschitechtes
	Using System;
	335tem windows from
	aystem Dater:
	using system pata on
	using system bard sql citem;



namespace reletedance class DeleteDaty salconnection con = new salconnection (" DOTO Sousce: clocalDB) V M95DLLbcal DB 3 AHChDPfile name = I DO + O Directory) II DO + O BOSE; IM ea Sorted secusity - +Sue'); con open ci; stains sale " Delete from Deleteborta from) whose id='I' and name = Pasth'; salcommand and = new sal command (sal, con); Sal Dorla Reades dr = mullis dr = and Execute ReadersU; if car Haskows) THE RESERVE OF THE PERSON OF T MessageBox-Show c" Duta Deleted"); 111200 else Message Box. Show ("Frros Accoss"); 9

Q-5(A) CHARLES STREET, STREET J. The Filestream is a does used for reading and weiting files in C# 2. Uses intestace of the editoss usually means the input on the output and the interaction longuage 3. Used to define conditions that must be met on the transfet machine before the installation process 5 (Dingles con begin VID PECSTON FRE 0-5(B) I. G# reposits can be baroadly dassified Into informational analytical and appearional. Infogmational Repost: Ruspose's Examples Tools Analytical Repost: Puspose, Examples, Tools: oppositional Repost that is common Repost type In windows form and satup. 9-500 1. open visual studio 'IDE and open provect or Caeate project Uses contisol. · Add some Hems for uses control like tools Button, TextBox, and Lobels. so to your another provert and aress it

by solution exploses and toolkit.

using system; using system windows forms; The transfer of the same of th namies pace Uses Contisol & dass uce private void Binclean-click Cobact Sendon Franciags e txt Box . text = Stissing Empty 3 3 CERT TO BE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PERSON OF · above phagram is come a user control for de dead textBox via Button click. Signal Dayly Statement of the Control of the the the state of the second se D-SCAJ FORMAN TO RELEGION OF THE PARTY OF TH I. A summary Repost 15 a miniatuse vession of the Biginal Repost 2. A property is a member that provides a flexible mechanism to Read, white, oh compute the value of o data field A method is a coole block that commains a Series of Statements The state of the s The state of the s

The state of the s

THE RESIDENCE IN STATE OF THE S

Q-5CB)

E. C# met development, a "setup pooject" is a special pooject type that coeches an installes package for deploying your application to other computers.

THE RESERVE OF THE PARTY OF THE

Q-50U

I. · SETUP PROJECTS

Puspose: Vsed to meanle menalless for windows-based applications, Packaging them as that flies choose "File"> "New"> "Project"

select "setup projects"

9 ive name of Project and click ok.
Features: offers a uses interface Editor to astomice
the installer's appearance

evisual studio Installes Projects

Puspose: Similars to Setup pooreds; but often used as

Choose "File" > "New" > "Pootects"

Features similar fections to setup protects

but with improved support for net

core and news technologies.