(8) Call Compilation in C#. DCX Compiler Compile dource Code into managed code.

D Putting the newly (neated Code in into attempty.

D The CIR is looked. Conving out the assumbly. (B) Difference b/w Clars and Struct. - Nos not Support inhadors class - dupport aheritance - class con pass by refrence - Struct is pass by Cofor Challe type
- Member are private by default - Member are public by default
- Suitable for large Complex about - Sidable for Small about - Con we waste Colloctor for - Cound we gartage Collector and home no mornory morcegon memory management what is urtual method and Abstract method. Vistual method = This Can be implement under the abstract or non-abstrace method clas. Pin Can access by the base as well as inherit class. if you inherit the class where this method a implemented if the you will have to use override keyeword to use this method. Abstract method => Only Can declain under abstract doss This method will get body Once your abstract method under your non abstract method under you non abstract of when we have require some method with diff logic.

(B) Type of classes in C#? 5 a) Partial class > Partial Calls Can be Stared on divided
in multiple files. The termonal fountials
denote it. Abstract days.) The abstract Cally one whow object Cannol be at instructated. The only way to get the Class is inhoral it must have include at least one method.

Abstract keyword denotes it Grit we to are at glycot. 3) dealed class = delated class amnor be inheriate. to

access the dealed class we must

creat the class abject. The keyword

skeded wed for it. (4) Static class => It Cannot Inheritance member one Static Static
Variables. It can any godess static items (1) Equality operator (==) and Equals () method? =) Eourality Operators (==) Compairs reference Identity.

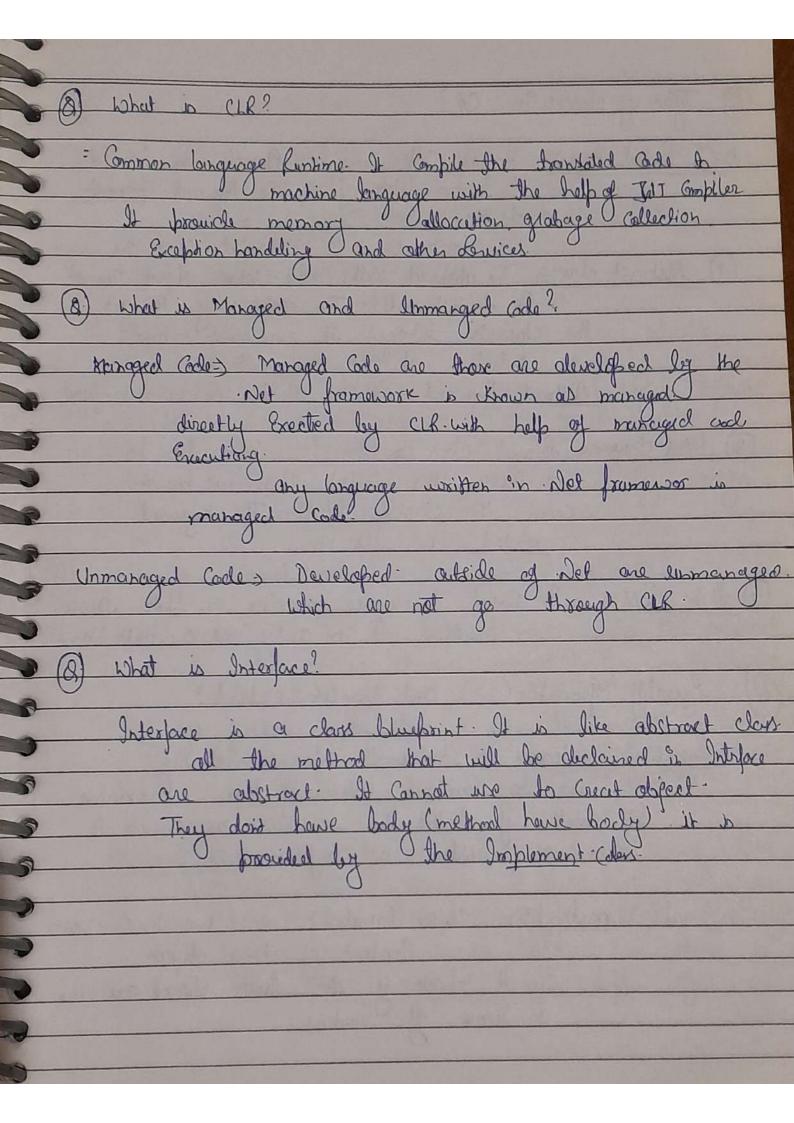
Use to Compair Velues of two Variable.

It check if bothe the Martables are course is

Serms of Where not reference. Eneral () method = ) Object · Faucula () are use to Compair

Content of two object.

It check if the both object one cur
in terms of Content



a. Phread & Multipread? Thredd 98 Collection of multipe Intruction that can be Encluded to allow our program to beginn Concurrent processing. Concurrent processing.

CH has only one shread by default who can be created to me the cod in parallel with the original one. multiplethred - defer thread horde defere process alles Dono- leturn thread here

Browny-Diff Stage of Thead. Unstared - arecited Running- logain Shecited went sleep Join- A thread Call wieddleep enothe went and Toir Lupench - how be housted-Aborted - Died but not been charged to the Ade Agt. Stopped - has an to halt Deadlock - when brocess Combo Completed is Execution becaus two or more nethol are waiting the Completion of one crathe. Common in multitude of

(8) What is CLR? Common language Puntine. It Compile the translated add to machine language with the help of Id I Compiler.

It provide memory Collection grapage Collection

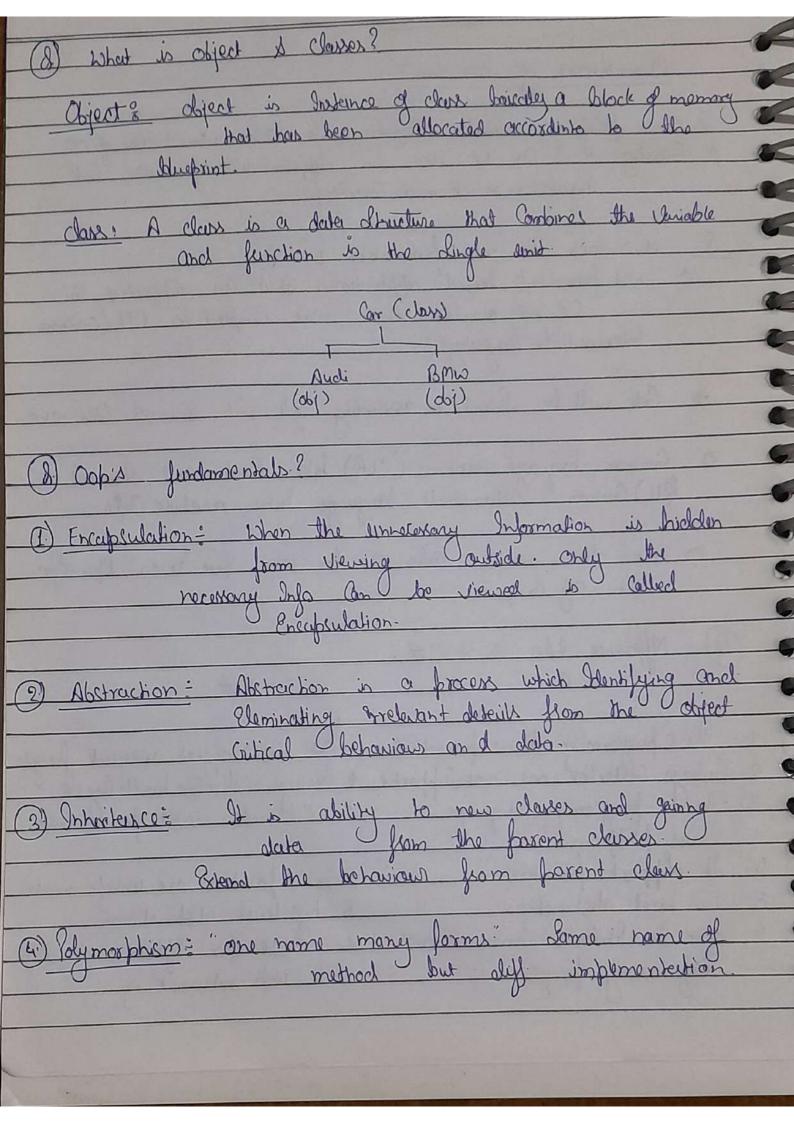
Exception handling and other dervices. (8) What is Managed and Immanged code? Managed Code: Managed Code are show are aleveloped by the Net framework is known as managed.

directly executed by Clh. with help of managed and Executions.

Any language winites in Net framewor is managed Code. Unmanaged Coole: Developed: outside of Del are lumanaged.
Which are not go through CLR. (B) What is Interface? Interface is a class bluepoint. It is like abstract class all the method that will be diclaired in Interface are abstract. It Connot use to Creat object. They don't have body (method have body) it is provided by the Implement colors

8 multicart Deligate? That hold the reference de muliple furction a Synch Asynch operation Lynch; Tech Thread Safe Codo. which only one thread Can acars any given time Asynch: The method Call return imediately So the other programme Can perform other operation while the Called method Complete D. Reflection 9n C#? It is ablity to access the arrambly's metadate during rundime. A brogsom reflects itset and user metadates to inform on chang its below. Generic Clarkes - that are Create a object that ale not have alceletype description of making Get & Set They rolert to accessor: we to real on write the value of brival fields

gain access to that prior



What is Delegate? Delegate is a light that represents represent to method with a farticular forameter list & return type Indiate Lystem delegate namethrace. How to use Delegate with Event? Delegate cuttority is weed to Britate and manage Event A oblegate must alway be declair forse Jollow by Events. Events are events action that cause the Application to which it must suppose. a Type of delegate diragle - Only Call one method Multiple Delegale: Con Call multiple nethod known as multicerst allogater (1) (-) operators use to Survivbe or unsubscribe. Goneric Delegale = Does not required instemme has 3 deples. Action- we can we custion keyword to replace by definition of delegate and Events.

Func: That can define method that takes argument yesult

length I return the botal no of alement is for .

Fre I Indicate whether the away is read only Array class honey on be analyd manufulated herebell only the array class.

Oray class obes not belong to on System. 8. String - String is grouping of char objects. Aning the declared in CH. 8. Escape degrence - A backstash Indicate the Escape Sequence ().

It Isoated is it has lingle character 8 lahat are regular Empression? regular Enpression is a samplete that Con match a let of Input operators constructs and character literals Can also we in the pattern. Parsing - forsing is the procedure of conventing

a. Difference Mu Continue & Break Steatement. Break Statement - Break use to terminate the loop of Gause the program's Control to Exit the loop. Continue Statement: Continue Statement instruct the programs

Control do Exit the current iteration.

Inou ever it closes not Effect the loop If final finally finalize? Frank = Indicale the Uprable method or class is unchangable Finally- finally is like by (atch id is no for Enception hardling most of the time this block is use to close removes as databuse connections yo resource etc-Finalize - Call before removing object from memory Array > An array in date Structure that fore

multiple thricable of Some type Lot of Variable

Stored in Lingle memory boation 8/1 Jayed Array I is array with array Element it

is also known as array of arrays.

Con be digle on multiple dimension

& what is Destructor in C# They are methods inside the class used to destroy instance of the class when they are to larger needed. garbage Collocter has control on it In Net fromework. What is Abstract class? - This Can be achive by Abstract Keywoods It will always Base class
- Should always be inherited ant creat instance of this class
- If we hant any program to creat abject of class

we make such class abstract.

- Those will be no Implementation of Abstract class

only child class can implemented. 8/ Boxing and UnBoxing Code? Unboxing Code Boxing Code Procus Conversing is the Roup With
Conversing of the Same
refrence type back to the
Value type. Boxing in a mother where Converting int vall = so; // Boxing "Unboxing. object boxing Val = Vall int unboxing = int (boxing Val). of Eucephonal handoling in C#. It can be hardle by 4 ky words Try Catch finally. Though 1. Try: Contain blook of code to chack for Exception
2. Catches the Exception for Exception border
3. finally: It is block of code written to ran regadlar of Except is cupt
4. Throw: When proble concern. It throws an Exception 8/1 What are Input/output clarron? The 10 System. To nomespace in CA Contains we to perform
Various operation. creat ditele opening close etc. file: Aids in monipulatio of a class file.

Stream writer: This class is used to write character to a stream

Stream readin: read character. (9) Stream Reader/ Stream writer class. The namespace System. To Contain it we be read and write character. Member of Atream reach - Close (), Read (), Roadline (). Member of Stroum write - Close(), write(), writeline().

De Namespaces in C# It is use to organize the classes in Not. It helps
to control the drope of method and classes in
larger Net programming projects.
In larger way in it is use to keep one del of name
I file away to other Lots of names. By what is using Statement? - Using legenood we so or indicates that the program-uses in Specific namerpare-- Ex: System The System is a namerpare in the conten-97 Abstraction? 5 It we to display only Exential features and hide unnecessary aformation.

Internal Info con be hidden day wing parameter as private and wing private key word. A) Paymoxphism:= Define as Poly means many, morphism
means forms:

Some method but diff Implementation. Compile-times which method will be alled decided in Compile time.

Overloading Jame name of method but different formmeters.

also known as early binding. Runtime => Parameters on no of fevrametr will be some but auch right emendedian late binding.