Name-Poorthit Kuman Sankar Student Code: - AFO208541 PART-B PART-B paragramming language which developens globally. This C# 1

by many developers globally. This CH language which is used by many developers globally. This CH language was developed by Microsoft in the year of 2000. This language has many features. Those features are -

Those Realizers are
1) It is a Object Oriented Programming Larguage.

1) The programs written in CH Language can

be sun in any computer.

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Means we can the rowice Language. I Means we can the rowice code of the Language is available in the internet. So anyone can change or modify the row ce code to and can make their own pragar

- amming language.

2) In one line delegate his a type rule function pointer. It holds the reference of a method

on a function. Thorough delegate we can create objects and pass the method adobest. It is also type take because the signature of the method pthe delegate pointing to must match the sign-

- other of the delegate.

Syntax:
LAccers Modifiers delegate (Return Type) (Name) (Rorm)

There are usually two types of delegates.

"Single cest delegate! - The delegate holds the reference of a single method is known or single cast delegate.

ii) Multicast Delegate: - The delegate which holy the references of most than one method its known as mellticost delegate. We usually use 't' operator to add methods and it operator to reman methods. of on Again books got be polon 3) Access repecifiers are used to great pos 3) permission to a class on a method inside the class. There are neweral types of acce rpecifiers. is Internal: - The class can be accessed by any class within the current aven ii) Protected The class can be accessed by ? its derieved class only. Internal Protected: The class can be access d also service the assembly by its derieved classes. iii) public - The class can be accessed from angwhere be accessed in perivate: The members can be accessed by the class only last to Through del 4) Starings are usually array of characters (4) your mi barit abiled may can be ide timed in many ways. Eneter grieve ged benited by using estours Keywood. by A storing can be defined using the Storing class also. Example: Stowng S= "Parthib"; "I wring ntoring keyword System Storing SI="Soukar"/ 1 using Storing clart

5) Implicit consversion is the conversion which a derived class it converted into a bouse class. Explicit conversion is the oppossite of implicit conversion. Here the base down in converted into derived class It may cause data loss. 6) Namespace is used to group similar types of clarrer In c# namespace can be! is predefined is alberdefined Foor userdefined namespace we have to use the namespace keyword. To @ accers the no class inside namespace we use dot operator. De Example: namespace namespaceAf claur Parthito {
public void fund
Console. WriteLine ("Namespace A");
} namespace namespace Bo clars Parthebof publi void fun q console. Haiteline ("Namespeceb") class Peregeran of Static void Main () } namespaces. Porthib Obj1 = ken mespaces namerpaceA. Parthit Obj2 = new namerpaceA Obj. fun(); Obj. fun();

An assembly is nothing but a block of complied code. It is the smallest unit for any NRT project. It contains the NET code in MSIL (Microsoft Intermediate Language) that will be compiled to native code.

8) is Open Visual Studio
is Coreate New Project
iiis Configure the project by giving the name and relating NET framework.
iv Then we have to create the console app.

9) There are mainly two types of error.

There are mainly two types of error.

1) Ro Compile Time Essor: - This type essor

Occurred when we make syntaxical essor while writing the code. These essors are making mistake in remicolone, Or brackets.

Runtime Espace: Runtime server is nothing but exception. Divide by

Zero essor is an suntime essor. The Exception class available in CH. He can desire

the Exception class to deal with exceptions.

We also use try, catch, finally to deal with exception.

For the foreach Loop there is no need to define the Limit. Foreach Loop executes for each element present in array. In the case of for Loop it runs until the given condition is false.

HashMap! — It is used to istore the frequency of some elements. It works in key value poir method, key is the elements whose frequency has to be counted and value is the a frequency of that key.

PAR'T-A

- 1. NET CLR
- 2. Main()
- 3. . NET class libraries
- 9. Just in time
- 5. Type died Reference type
- 6. Overloading method.
- 7. Lamda
- 8. Storing mutable Storing Builder immutable.
- 9. Collections.
- 10. System. Text. Regular Expersion.