Strings strings cen be created or accessed like a cher - erney Multiple strings can be connected with a gut Generics - not a specific to a perticuler olete type generic type is deckard by specifying a type peremeter in an engle breckets after a type meme: Type Mane T Generic class - now increases newsellity - can be a base class to other generic on non-generic cless - cen be derived from -A Method decleans with a type peremeters for its our returtype on peremeters is a generic verthod Generics are type sefe, and here performence adventage because they remove the possibility of boxing/unboxing Generic Collections 2/18/ ST> - conteins elements of a specified type Dictionery (Tkey, T Velle) realeins dey-velle pairs Serreddist (They Thele) Queve<15 - stones vehes FIFO style. Enguenet inethol for adding values out dequeue ) to refusive values

Steck (T) - stones values Free style. Push o to add velaces and Pop() and Peck () to retaine Hesheetety-List elements, eliminating duplines New-Beneate Colections Amey dist - stones objects of eny which but there is no need to specify the months size of the lift as it grows outemeticly He shtelle 4 - stones keyn-velve petrs retrives velves by compening herh velues of the keys BH Array - manages an array of bit values (1 or 0) while one represented as a bolean CH also Includes nou-general versions of Queue Steel and sorteddist Tuple (1) - dete structure to het conteins a sequence of elemets of different elefaty pes. Its used when we went to hold an objet with properties but don't went to correct a seprete tope for it. Then be the element can be accessed vie Item & clement number > ex Rest + its the lest item. If he new to store more them 8 elements In a tupic, we can do that by herting another tuple object in the 8th element. He sen occess it via Rest. Item 1. Item a chemical Tumber! In theory we can vest tuple object ourselve in the sequence but we non't be eble to acess its elevents

Tuple is useful when; - He went to return multiple values from a method - we want to pess multiple relies to a method with a shingh peremeter - He went to hold a detabese temporarily witant exectly seperete at cless STRUCTURE struct - is a value detatype that represent data structers. It can contein a perameter ised or stetic constructor, constants, fields, methods, properties indexers, operators, events and nested types. It can be used to hold date that olar ust require inheritance. It can be declared using , new" operators If you don't do that it doesn't call any constructor so all members remein unassigned so you have to essign them. structure struct member commot be specifical as abstract, sealed, what or protected