* Noite a C++ code to find & boint the max & min values in an array of integers voing bointers. TCS Seb-27 2024 * templates in CT+ are same as Generics in Java. They help wo to create uses - defined types which can accept any kind of data Syntax: template < typemane T> Introduction to Object Oriente Trogramming Benefits of OOP over POP:> Code reusakility -> Inheritance Jana Code reliability Better readability -> classes Data Security -> Crapsulation & Abstraction Scalability -> Upscale re downsude. Efficiency -> Save a lot of time o Real World Entity: > [Employee] Name Sahana Class Employee? Age Salary 29 3000 String Name; Put Ages attributes or fields or properties. Stoing Company; deference es (Sahana, 29, 30,000); employée Détails (); (Béhavious) instance bluefrint object) It is an instance of reference they of a class. It can be used to access but Class has no memory. Object has heafy memory. In an OOP language, a function is generally called a method, because it describes the behaviour of the object. **** Object Creation Syntaxo) Java: -) Class Name obj = new Class Name (); CH Syntaxi -> class name obj = class name (); Syntax 2 -> classoname obj;

Note: We don't use 'new' Keyword for Breet

creation in C++ o 'new beyword is

only meant for Dynamic Memory Allocation

in C++ class in C++ is privale by default.

* A class in C++ is privale by default. When we create an object, Class Name obj = Class Name (); Constructor: It is a special method of the class used to initialize objects. défault Construct or + The syntax is class name followed by balentheses. (). The constructor if not created, the compiler create on default Constructors default or no-argument constructors * Tho types _____ Parametelised constructel. * When he create one constructor, the default unstructor gets deleted. * There can be n number of constructors in a class. This is salled to constructor diversording * A construct or should be always Modifiers Package = folder Access Specifiers Access Outside nside Outside Inside Modifier Name Package Class Package Class Public Yes Tes Yes Private Yes Profecte 1 montairee) Tes Yes default (pr) Yy