CHT VIIIV TED A DELY TO A
Array: - Collection of relements of
Same DT
Arrays: - Collection of relements of Subramanugan Di No bound's cheeking
int ALIOS;) Day tradizing Deckrotion
(Wt ALD) = 21,2,3,4,5,6,7,8,9,102
4) Dnitialization
+ Deebration
L) Druftialization + Declaration int ACD = 12, 1, 2, 3, n3 Cin >> ACOS Zuloni finalization
1000 Les J 5 - 181
Cin >> ALOS Zoubris + why d
And In Port The social states of
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Vectors: 10010 de de ration
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Dontainer un the CAL Standoord Template Library DAn array Mout Can grow Brink un Site at execution time.
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When we execte a CA+ mutor Due create a est object The object can perform approactions for us. Declaring is so grand and #include a vector> -> Include Vector libraries using namespace Std; Vector z choor > vousels; 9 Empty Wester with vector < int > test scores; 3 no elements 5 must include the type of the Ulinientes of the Vector inside < > angle byalchets, since the Vector is an obj-oriented template stol your losed wet Classo with the remotives · Vowels-> Voutor or a Collection of Charechter tost-gover -> 119 ml grintegers. assecration time Edwardics on Shyper or Vector L char > vowels C5); Vector cinto fest-scores (10); 4) Constructor metalizar Set to Louis

Ve Hor a choor > vousels @ Za/ ne/, in o', hu's, vertor cint > test_sures 2 100, 98, 97, 39, 453; Velor Lolouble > hi-temp (365, 80.0) First Param Second Param (Size of the Voltor) Initialize all · Francis) ko z rozor 365, doubles WITh 80.03 howerheristics: => test-goves - ati · Dynamic Size 'Elements over all Same type · Stored Contriguosly in memory Duelinidual celinents (an be accessed by their Position or index. First celement is at index of all hast element is at Index-1 °C)-nochecking to see is out of bounds · Dut provides mony useful functions that do · Elements initialized to zor · Very elle vient Victory (400 Squary) (400 M Diferration/ Looping in used to process Western with automostically allegate. Sometime みもど

Accessing Vector celements - rector syntax name - at Colement_Inder test sloves at (D) method-name Dot operator pill operations Changing Contents of Nector claments, Vector vame at Celement index) Cin >> test_Sloves - at Co; 2512 Swyw/ - Stores at Con Shand I Made, 4x9 - Scoves at 6) 200 Massignment Statement Ve tox-rame. Push-back Colement 200 1 20 A 200 Men idencent to the led of the veloce C Same type-al Vellor Liver Lest - Scores 2 100, 95, 993; 1/size 3 best_sover- push-back(80); 1/100,97,99,8000 test scores. Push - back(a); // 100,95,99,80,90 vector will automatically allocate the verywood spale.

Voctor will take care or, allo Cating ce de allo Cating spale What if noe acce out of bounds in vector? 1) Many Velov methods provide bounds Checking L) vertor marsage lesception is generated. Example 3 a 20 - vertor 20- vector > Vector of Vectors Vector « vector « int » morse vations & For a 2D-Vectory of at Common list L) Emoriphatings at Ci). at Cj)