Queves

* similes data

Array) list

() list of character =) a, b, C, d

List of integers =) (, 2, 3, 4

List of float =) 1.1, 2.1,
List of double =) 2.11, 3.11

Student

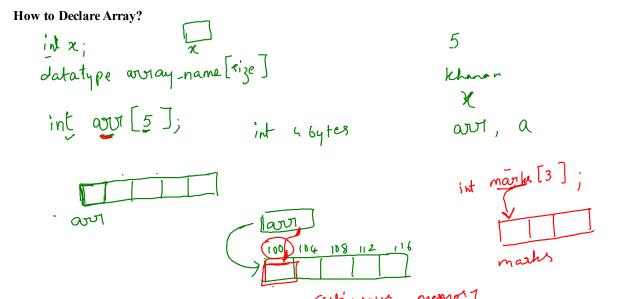
float

[10at

[1] 81 | 802 | 96.11 +)

grader

[1] 8 | C | D | F | >

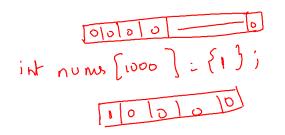


Intitailizing Array

Tint
$$x = 10$$
; int n_i
int $x = 10$; int n_i
 $x = 9$; $x = 10$; x

=> int nums[1000] =
$$\{-1, -1\} \times$$

int mms[1000] = $\{0\}$



Accessing Array Elements

int art
$$\{5\}$$
;

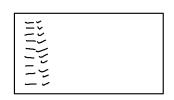
Then ing

int art $\{5\}$;

art $\{1,2,3,4,5\}$

art $\{3\}$;

 $\{1,2,3,4,5\}$
 $\{5\}$
 $\{6\}$, $\{6\}$



Array is powerful concept, jo store, organize,

Printing of Arrays

int
$$arr[5]=\{10,20,30,40,50\};$$
 $for(int i=0;i<5;i++)\{$
 $cout<i=0$, $o<5$
 $output$
 $output$
 $out=0$
 $out=0$

Homework: Complete Array initialize with
$$\widetilde{2}$$

int arcs (100) =
$$\{2, 2, 2, 2\}$$
 \times

commant 0,000000

arcs (100) $=$ $\{2, 2, 2, 2\}$

Memory Representation of Arrays

Contiguous $\begin{cases} = -\frac{1}{3} & \text{dinhed} \end{cases} \begin{cases} = \frac{1}{3} \\ \text{sint } \alpha = 5; \\ \text{int } 6 = 10; \\ \text{int } c = 15 \end{cases}$ If 4 bytesInt $4 \text{ arrs} \{3\} = \{5, 10, 15\}$ 4 b c

Types of Array

x 37 Multidimension (30)

int arr[2][3][u] 11 30 Array

47 Dynamic Array -> runtime

47 Dynamic Array -> mentine 67 Array of Objects (OOP) b) Character A voray -> characters (string)

Good Practice and Bad Practice

[ablcldso] = 0 =) null charact