Date Arody & marinal the Che management. In CH, an goody is a vapoicables other com store multiple values of the same type. fer example, Suppose a class has 27 students, 4 we need to store & grades of all of thero. Instead of Greating 27 separate variables, we can simply Creare an array. double grede [27] 10 ? population Here, grade is an array that Can hold a maximum of 27 elements of double type. In C++, the size & type of array Cannot be changed offer its decleration C++ Array Decleration: data Type moral Name [arraysize]; for example, int x [6]

Page No.

(Saathi)

Here,

· int - type of element to be stored.

astrostrol moch ++

- · X Natored the grown.
- · 6 sized of the array.

Access Element in C++ Array.

In C++, each element is an array is associated with a numbers. The number is known as an array index. He can access element of an array by using those indices.

Syntex to acress ground element

Member > X[1] X[2] X[2] X[3]

Trecon

few things to Remember

o The array indices start with 0. Georning x(0) is the first stored at index 0.

Page No.



element is stored at index (n-1). In theis example, X[5] is last element:

C++ Array Initilization

In C++, its possible to initilize on arong during decleration. For example.

| declear 4 initilize con array | 10+ x[6] = = = 19, 10, 8, 17, 9, 15};

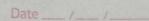
Here, we have not inclinationed the size of the crossay. In such Cases, the Compilers autoroatically Computes the size

CH Array With Empty Genebers

Can store upto n number of elements in the grown. However, what will happed if we store lass their (n), number of element.

store only 3 element in the growny

int x[6] = \$ 29, 10,8 }





Here, the array x has a size of 6. Thousever, one have initilized it will only 3 elements.

Acco. 1 cos

trophy droady members
are accommatically assigned
the value o.

HOW to Insure & point crossy Elements.

PD+ reark [5] = = = 19, 10, 8, 17, 9}

1. Change the fourth element to 9.

2. take the input footo the user Stood the value third position. Cin>>roareks(2);



Date			
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The Color			

3. Take the input foots the uses insust at ith position.

Cin >> mores [3-1]

4. point floor element of the crowdy

5. point ith element of the doody.

Quick Quiz!

Display the grown Element

Example 2: Take Triput from User & 3tore there in an about.

using namespace atd;

int numbers[5];

Cout ("Enter 5 numbers: " < < endl;

