Ch-6 Arrays

what is array   important

is a collection of items of similar types
stored in contiguous memory
location

Forex :- we can't create 2500 variable.
So that's we make arrays
of 2500 size.

Syntax :-

int marks[4]; / we created an array of
                   4 size

cout << marks[0]; ⟩
cout << marks[1]; ⟩ ─ Printing arrays
cout << marks[2]; ⟩
cout << marks[3]; ⟩

Note:- counting starts from 0 in C++/C-

int marks[4] = {28, 36, 48, 99};

              or

marks[0];
//   [1];   declaring
//   [2];   Array.
//   [3];

2 Printing array with loop:

```
for(int i=0; i<4; i++)
{
    cout<< marks[i];
}
```

3. Pointer and Array
         |
    pointer arithmetic

address new = address current + i * size of data type

   (p+i)   (p)

         2+1*4
          =36

int *p = marks;
     | \
    pointer for array