











Reading Data from an Array

• The **for loop** is much the same, but now the body of the loop causes each student's marks to be added to a running total stored in a variable called **sum**. When all the marks have been added up, the result is divided by 50, the number of students, to get the average.

for (i = 0 ; i <= 49 ; i++)
 sum = sum + marks[i] ;
avg = sum / 50 ;
printf ("\n Average marks = %d", avg) ;</pre>

Prepared By Mr.EBIN PM, AP, IESCE

EDULINE









Or even this would work
int stud[4][2] = { 1334, 18, 1812, 44, 1004, 99, 1112, 10 } ;
It is important to remember that while initializing a 2-D array it is necessary to mention the second (column) dimension, whereas the first dimension (row) is optional.
Thus the declarations,
int arr[2][3] = { 52, 30, 23, 55, 56, 85 } ;
int arr[][3] = { 52, 30, 23, 55, 56, 85 } ;
are perfectly acceptable,
whereas,
int arr[2][] = { 52, 30, 23, 55, 56, 85 } ;
int arr[][] = { 52, 30, 23, 55, 56, 85 } ; would never work.
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	s[0][0]	s[0][1]	s[1][0]	s[1][1]	s[2][0]	s[2][1]	s[3][0]	s[3][1]	
	1334	18	1812	44	1004	99	1112	10	
	655 08	655 10	655 12	65514	655 16	655 18	655 20	655 22	
• We usi prii	e can ea ng the s ntf ("Ma	asily ref ubscrip arks of t	er to th t notatio hird stud	ne mark on as sho dent = %	s obta own be 6d", stu	ined by low: ıd[2][1]	/ the th);	nird stud	der



