Want to print 10 names:

Array---is a data structure used to store similar datatype.and it allocates continuous memory to store the data.

Single dimensional array---

10 int var—4\*10=40

Datatype [] name\_of\_array=new int[size]

Int[] arr1=new int[10];

Arr[0] arr[1]arr[2]………………………………………………………….arr[9]

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | 7 | 2 | 67 | 3 | 1 | 4 | 78 | 9 | 25 |

100 104 108

String strarr[]=new String[10];

Declaration int[]arr

Memory allocation arr=new int[5];

Initialization arr[0]=4

Arr[1]=7

Int[] arr=new int[10];//declaration+allocation

Int[] arr={4,7,2,67,3,1,4}// declaration+allocation+initialization

Two dimensional Array

Int[][] arr=new int[2][3];

0 1 2

|  |  |  |
| --- | --- | --- |
| 0,0 | 0,1 | 0,2 |
| 1,0 | 1,1 | 1,2 |

Arr[0][0] =20 arr[0][1]=80 arr[0][1]=60

Int[][] arr={{10,20,50},{2,34,7}}

Jagged array---Where number of col are diff in each row;

Int[][] arr={{10,20,50},{2,7},{8,3,9,5}}