

ARRAY

Enter a no: 15
Enter a no: 7
Enter a no: 24
...
15
7
24
...

Syntax:

<data type> <array-name> [size];

ex:

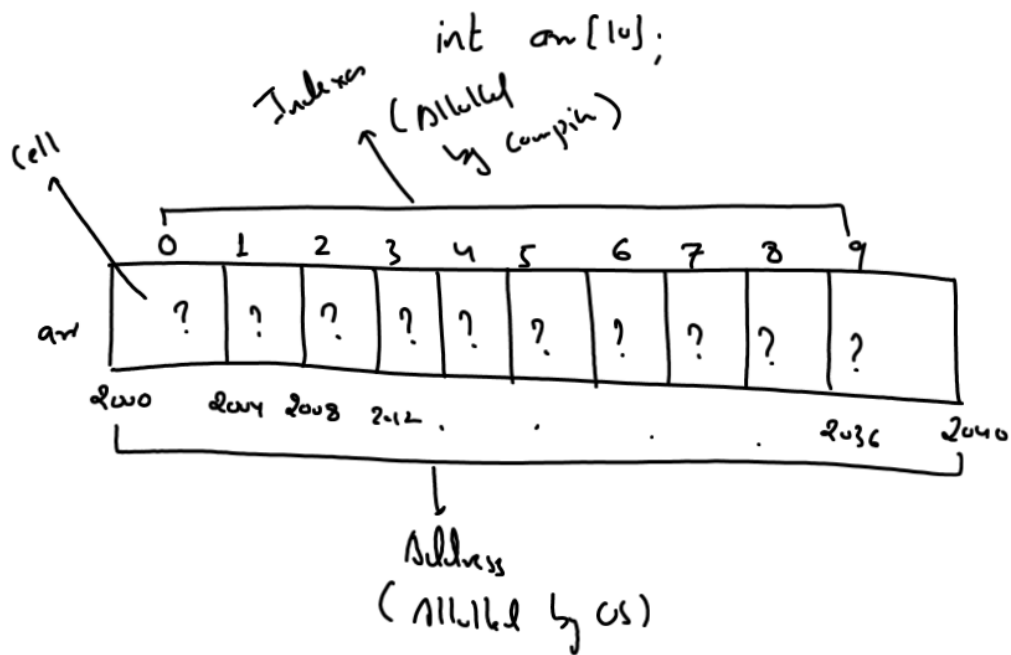
int roll [10];

char grade [5];

float per [20];

No of values array can store!

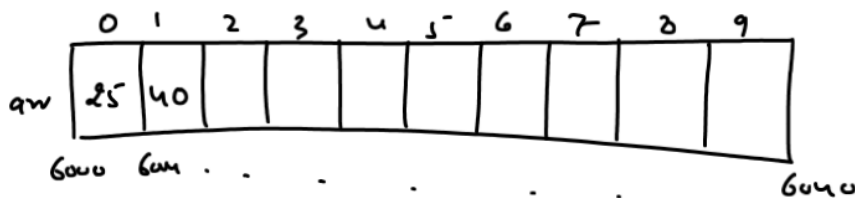
Single Dimensional Integer Array



Accessing Array Values

int arr[10];

$\langle \text{array-name} \rangle [\text{index-no}] = \text{value};$



X arr=25;

✓ arr[0]=25;

arr[1]=40;

⋮

printf("%d", arr[0]);

 ↳ 25

printf("%d", arr[1]);

 ↳ 40

WAP to create an integer array of size 10 , accept values from the user in it and display all the array values

Enter a no: 15
 Enter a no: 8
 Enter a no: 45
 Enter a no: 26
 ...
 Enter a no: 75
 You inputted: ✓
 15
 8
 45
 26
 ...
 75

```
int main()
{
  ✓ int arr[10], i; 19
  for(i=0; i<=9; i++)
  {
    ✓ printf("Enter a no:");
    ✓ scanf("%d", &arr[i]);
  }
  printf("You inputted:");
  for(i=0; i<=9; i++)
    printf("\n%d", arr[i]);
  return 0;
}
```

Unpredictable

arr	
0	15
1	8
2	45
3	26
4	19
5	24
6	71
7	92
8	40
9	75