

→ 10th SSC results came :

↳ 6 exams :

int c₁, c₂, c₃, c₄, c₅, c₆;

Scanner sc = new Scanner(System.in)

c₁ = sc.nextInt();

c₂ = sc.nextInt();

c₃ = sc.nextInt();

c₄ = sc.nextInt();

c₅ = sc.nextInt();

c₆ = sc.nextInt();

Total sum: c₁ + c₂ + c₃ + c₄ + c₅ + c₆

Avg:
$$\frac{c_1 + c_2 + c_3 + c_4 + c_5 + c_6}{6}$$

→ B-tech / Degree :

↳ 50 exams

int c₁ c₂ c₃ c₄ . . . c₅₀;

c₁ = sc.nextInt();

c₂ = sc.nextInt();

c₃ = sc.nextInt();

c₅₀ = sc.nextInt();

Total sum = c₁ + c₂ + c₃ + ... c₅₀

→ The above is not efficient

// Arrays: → { Same type of data }

int x; → int variable declaration { 1 value }

// way-1

{
int ar[]; // declaring
ar = new int[6]; // initializing space
} → 6 integers

ar → 

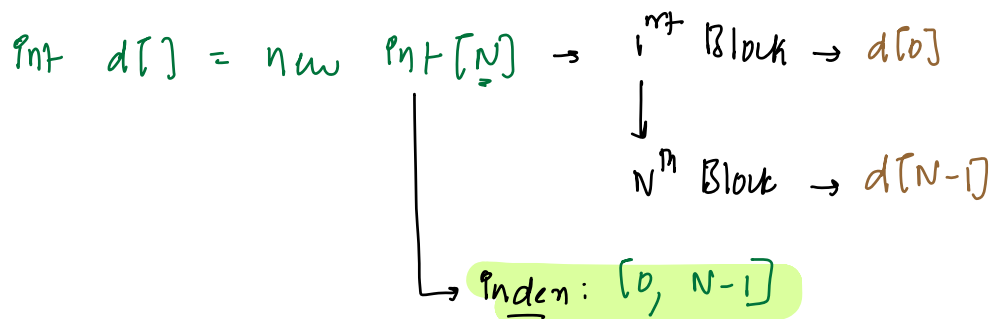
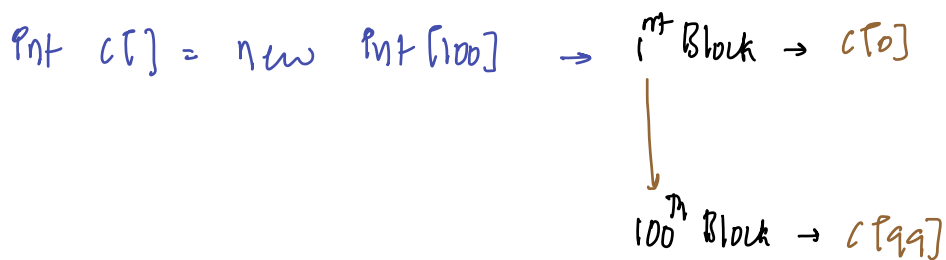
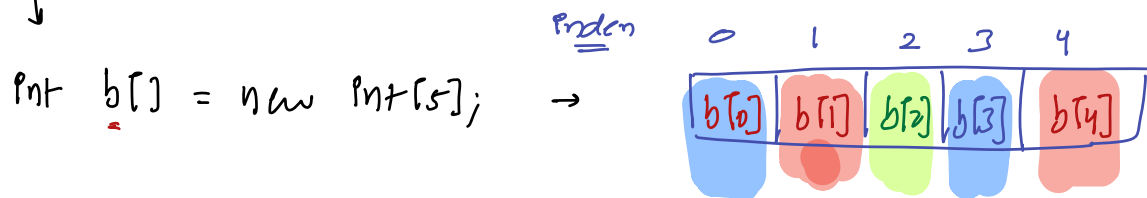
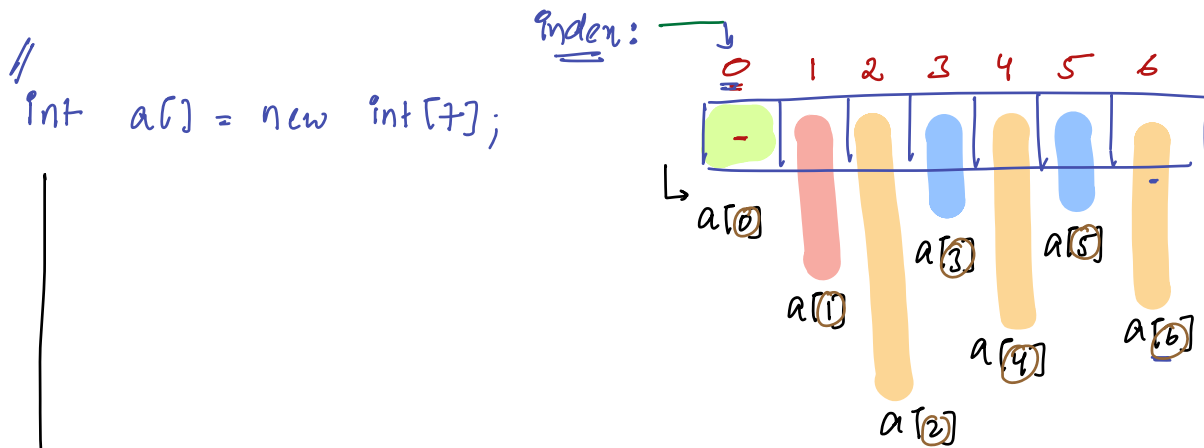
// way-2 → { Declaring & Initializing space }

{ int ar[] = new int[10]; } → { // generally prefer }
→ 10 integers

// way-3 → { Declaring & Initializing space }

int[] ar = new int[100]
→ 100 integers

// int ar[10] * → { won't work in java }



Note: Indexing start at 0 in arrays