

COP 3330 2/6/26

Array S

int n = stdin.nextInt();

int[] scores = new int[n]

any  
int  
expr

for (int i = 0; i < n; i++)

typed

scores[i] = stdin.nextInt();

S  
100  
80  
75  
93  
76

n | S

scores → [100 | 80 | 75 | 93 | 76]

i [0] 1 2 3 4 5

bestScore = maxVal(scores)

bestScore [100]

~~mV~~  
~~array~~  
res [100]

$$\text{Var}(X) = \frac{\sum_{x \in X} (x - \text{avg})^2}{n}$$

$$n = |X|$$

$$\text{Stdev}(X) = \sqrt{\text{Var}(X)}$$