Algorithm: Average(S, n) computes the average of n values of S.

Input : $S[\ ]$: array of data, n: the number of values
Output : Average of all values
$x \leftarrow 0$
for $i \leftarrow 1, 2, ..., n$ **do**
$\quad x \leftarrow x + S[i]$;
end for
output x/n;