CS 16 Pseudocode standards

Example: Java to pseudocode conversion

This example is NOT from Dasgupta, but may help those of you who are used to Java learn to write pseudocode.

Java Version

```java
public int arrayMax(int[] intArray, int n) {
    int maximum = intArray[0];
    for (int i = 1; i < n; i++) {
        if (maximum < intArray[i]) {
            maximum = intArray[i];
        }
    }
    return maximum;
}
```

PseudoCode Version

```plaintext
procedure arrayMax(A, n)

Input: An array A storing n ≥ 1 integers
Output: The maximum element in A

maximum = A[0]
for i = 1 to n - 1:
    if maximum < A[i]: maximum = A[i]

return maximum
```

For more resources on this, consult the Improving Pseudocode Lecture.