

Example 1A:

A little pseudocode

1. Two random students stand next to each other.
2. If the first person is taller than the second person, the second person sits down, or the first person sits down if the second is taller.
3. Loop this process for all students until the tallest person is remains standing.



Example 1B:

A lot of pseudocode

- Step 1, 2 and 3
- Step 1, 2 and 3
- Step 1, 2 and 3
- Step 1, 2 and 3
- Step 1, 2 and 3

- Step 1, 2 and 3
- Step 1, 2 and 3
- Step 1, 2 and 3
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Example 1B:

A lot of pseudocode

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Example 1B:

A lot of pseudocode

A variable to remember the tallest person
`var tallestPerson`

`tallestPerson = first person`

Use a for loop to loop through the students.

`for each student in the class from the 2nd through the last`

`if currentStudent.height > tallestPerson.height`

`tallestPerson = currentStudent`

`print(The tallest person is tallestPerson)`



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`if currentStudent.height > tallestPerson.height`

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Example 2A:

A little pseudocode

1. Split the class into 5 groups
2. In one group, arrange the students by height to determine who the tallest person is in that group.
3. Repeat step 2 with the 4 remaining groups.
4. Have the tallest person from each group form a new group.
5. Loop step 2 with the new group.



Example 2A:

A little pseudocode

1. Split the class into 5 groups
2. In one group, arrange the students by height to determine who the tallest person is in that group.
3. Repeat step 2 with the 4 remaining groups.
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Example 2B:

A lot of pseudocode

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Example 2B:

A lot of pseudocode

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Example 2B:

A lot of pseudocode

A variable to hold the people in the class
`var students = [Jacob, Ben Sarah, Sang ...]`

Split the class into five groups

```
var group1 = first batch of students  
var group2 = second batch  
var group3 = third batch  
var group4 = fourth batch  
var group5 = fifth batch
```

Arrange the students in group 1 by height and pick out the tallest.



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```

Arrange the students in group 1 by height and pick out the tallest.



Example 2B:

A lot of pseudocode

```
var tallestOfGroup1 = tallest(group1)
```

- Repeat step 2 with the 4 remaining groups.

```
var tallestOfGroup2 = tallest(group2)
```

```
var tallestOfGroup3 = tallest(group3)
```

```
var tallestOfGroup4 = tallest(group4)
```

```
var tallestOfGroup5 = tallest(group5)
```

- Have the tallest person from each group form a new group.

```
var tallPeopleGroup = [tallestOfGroup1, tallestOfGroup2,  
tallestOfGroup3, tallestOfGroup4, tallestOfGroup5]
```

Loop step 2 with the new group

```
var tallestOverall = tallest(tallpeopleGroup)
```

```
print("The tallest person is \"(tallestOverall)\")
```


Example 2B:

A lot of pseudocode

```
var tallestOfGroup1 = tallest(group1)
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- Repeat step 2 with the 4 remaining groups.

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var tallestOfGroup2 = tallest(group2)
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```
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```
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