

Create Rubric

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Q2 Use of for loops

50 points

Q2.1 Loop to initialize array1

10 points

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⋮ 1 +10.0

A `for` loop that takes in user input for `array1` exists.

⋮ 2 +0.0

A `for` loop that takes in user input for `array1` does *not* exist.

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Q2.2 Loop to initialize array2

10 points

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⋮ 1 +10.0

A `for` loop that generates random numbers for `array2` exists.

❖ 2 +0.0

A `for` loop that generates random numbers for `array2` does *not* exist.

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Q2.3 Loop(s) to print arrays

10 points

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❖ 1 +10.0

One `for` loop that prints the indexes of both `array1` and `array2` at the same time exists.

❖ 2 +10.0

Two `for` loops, each printing the indexes of `array1` and `array2` separately, exist.

❖ 3 +5.0

Only one `for` loop that prints the indexes of *either*

`array1` *or* `array2` exists.



4

+0.0

No `for` loops that print the indexes of `array1` and/or `array2` exist.

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Q2.4 Loop(s) to find second highest value from arrays

10 points

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1

+10.0

One `for` loop that determines the second highest values of both `array1` and `array2` at the same time exists.



2

+10.0

Two `for` loops, each determining the second highest values of `array1` and `array2` separately, exist.



3

+10.0

One or more `for` loop(s) that sort `array1` or `array2`, either separately or together, resulting in the second-highest value being determined.

⋮	4	+10.0	One or more <code>while</code> loop(s) that determine the second highest values of <code>array1</code> and <code>array2</code> exist.
⋮	5	+5.0	Only one <code>for</code> loop that determines the second highest value of <i>either</i> <code>array1</code> or <code>array2</code> exists.
⋮	6	+0.0	No <code>for</code> or <code>while</code> loops that determine the second highest values of <code>array1</code> and/or <code>array2</code> exist.
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Q2.5 Loop to find inner product of the arrays

10 points

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⋮	1	+10.0	One <code>for</code> loop that determines the inner products of both <code>array1</code> and <code>array2</code> at the same time exists.
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⋮	2	+10.0	Two <code>for</code> loops, each determining the inner products of <code>array1</code> and <code>array2</code> separately, exist.
⋮	3	+5.0	Only one <code>for</code> loop that determines the inner product of <i>either</i> <code>array1</code> <i>or</i> <code>array2</code> exists.
⋮	4	+0.0	No <code>for</code> loops that determine the inner products of <code>array1</code> and/or <code>array2</code> exist.
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Q3 Use of scanf() to initialize array1

5 points

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⋮	1	+5.0	<code>scanf()</code> or <code>fscanf()</code> is used to take in user input for <code>array1</code> .
⋮	2	+0.0	<code>scanf()</code> or <code>fscanf()</code> is not used to take in user input for

`scanf()` or `fscanf()` is *not* used to take in user input for `array1`.

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Q4 Use of `rand()` to initialize `array2`

5 points

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1 +5.0

`rand()` is used *without* `srand()` to initialize `array2`.

2 +2.5

`rand()` is used *with* `srand()` to initialize `array2`.

3 +0.0

`rand()` is *not* used, with or without `seed()`, to initialize `array2`.

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Q5 Header Comment

5 points

Q5.1 Name

1 point

[⚙️ Rubric Settings](#)

1

+1.0

Submitted program has a header comment with the student's name.



2

+0.0

Submitted program does not have a header comment with the student's name.

[+ Add Rubric Item](#)[📁 Create Group](#)[📄 Import...](#)

Q5.2 Date

1 point

[⚙️ Rubric Settings](#)

1

+1.0

Submitted program has a header comment with the date of submission.



2

+0.0

Submitted program does not have a header comment with the date of submission.

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Q5.3 Lab Section

1 point

[⚙️ Rubric Settings](#)

1

+1.0

Submitted program has a header comment with the student's specific lab section (ex: 001).



2

+0.5

Submitted program has a header comment with a specific lab section (ex: 001), but the lab section listed is not the student's correct lab section.



3

+0.0

Submitted program does not have a header comment with the student's specific lab section (ex: 001).

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Q5.4 Lab Number

1 point

[⚙️ Rubric Settings](#)



1

+1.0

Submitted program has a header comment with the lab number (ex: Lab 1).



2

+0.5

Submitted program has a header comment with a lab number (ex: Lab 1), but the lab number is not correct.



3

+0.0

Submitted program does not have a header comment with the lab number (ex: Lab 1).

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Q5.5 Program Description

1 point

[⚙️ Rubric Settings](#)



1

+1.0

Submitted program has a header comment with a short program description.



2

+0.0

Submitted program does not have a header comment with a short program description.

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Q6 Code Formatting

5 points

[⚙ Rubric Settings](#)

1

+5.0

Code is formatted in a readable way with matching indentation. Code otherwise follows standard conventions as taught in lecture.



2

+3.0

Minor issues with code formatting that slightly impact readability.

This includes *one* of the following:

- Lack of indentation where appropriate

- Errant indentation on some lines



3

+1.0

Frequent issues with code formatting that significantly impact readability.

This includes *both* of the following:

- Lack of indentation where appropriate
- Errant indentation on some lines



4

+0.0

Code is not formatted in any recognizable way, making code entirely unreadable.

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Q7 Absence Penalty

0 points

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1

-0.0

Student was present in lab when required.



2

-0.0

Student was not present in lab, but provided a reasonable excuse. Responsible TA(s) will provide more information in comments.

3 -50.0

Student was not present in lab, and did not provide a reasonable excuse ahead of time. Responsible TA(s) will provide more information in comments.

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