

Create Rubric

40 points

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Q2 Use of #define or const int for dimensions

10 points

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1 +10.0

Array dimensions `MAX_LINE` and `MAX_LINE_LEN` are defined using the `#define` pre-processor directive *or* the `const int` keywords within `main()`, *and*:

- `MAX_LINE` is equivalent to `200`
- `MAX_LINE_LEN` is equivalent to `100`

2 +5.0

Array dimensions `MAX_LINE` and `MAX_LINE_LEN` are defined using the `#define` pre-processor directive *or* the `const int` keywords within `main()`, *but* either of the following is not true:

- `MAX_LINE` is equivalent to `200`
- `MAX_LINE_LEN` is equivalent to `100`

3 +2.5

Array dimensions `MAX_LINE` and `MAX_LINE_LEN` are defined using the `#define` pre-processor directive *or* the `const int` keywords within `main()` *but* both of the

some `int` keywords within `main()`, but both of the following are not true:

- `MAX_LINE` is equivalent to `200`
- `MAX_LINE_LEN` is equivalent to `100`

⋮ 4 +0.0

Array dimensions `MAX_LINE` and `MAX_LINE_LEN` are *not* defined using the `#define` pre-processor directive *or* the `const int` keywords within `main()`.

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Q3 Use of 2-D array

10 points

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⋮ 1 +10.0

A single 2-dimensional `char` array is defined within `main()` and used to hold each string/line, *and*:

- the size of the first dimension is `MAX_LINE`
- the size of the second dimension is `MAX_LINE_LEN`

⋮ 2 +7.5

A single 2-dimensional `char` array is defined within

A single 2-dimensional `char` array is defined within `main()` and used to hold each string/line, *and* either of the following is true:

- the size of the first dimension is 200 +-1, but *not* `MAX_LINE`
- the size of the first dimension is 100 +-1, but *not* `MAX_LINE_LEN`



3

+5.0

A single 2-dimensional `char` array is defined within `main()` and used to hold each string/line, *and* both of the following are true:

- the size of the first dimension is 200 +-1, but *not* `MAX_LINE`
- the size of the first dimension is 100 +-1, but *not* `MAX_LINE_LEN`



4

+2.5

A single 2-dimensional `char` array is defined within `main()` and used to hold each string/line, *and* either/both of the following is/are true:

- the size of the first dimension is *not* 200 +-1
- the size of the first dimension is *not* 100 +-1



5

+0.0

A single 2-dimensional `char` array is *not* defined within

`main()` and used to hold each string/line.

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Q4 Use of function other than `scanf()`

10 points

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1

+10.0

A function *other than* `scanf()` is used to get input from `stdin` and store it in an array, *including* (but not limited to):

- `fscanf()`
- `gets()`
- `fgets()`
- `getc()`
- `fgetc()`
- `fread()`
- `getline()`



2

+2.5

A function *other than* `scanf()` is used to get input and store it in an array, but the input source is a `FILE` pointer *other than* `stdin`.



3

+0.0

`scanf()` is used to get input from `stdin` and store it in an array.

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Q5 Header Comment

5 points

Q5.1 Name

1 point

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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.

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Q5.2 Date

1 point

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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

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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

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⋮ 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

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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

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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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