

Create Rubric

45 points

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Q2 Correct header struct

15 points

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1

+15.0

A header struct exists and has:

- a char array with size ≥ 3
- an int for width
- an int for height
- an int for maximum RGB value



2

+12.5

A header struct exists and has all four required member variables (char array, three ints), but the size of the char array is less than 3.



3

+10.0

A header struct exists, but is missing one of the four required member variables (char array, three ints).



4

+7.5

A header struct exists, but is missing two of the four

required member variables (char array, three ints).



5

+5.0

A header struct exists, but is missing three of the four required member variables (char array, three ints).



6

+0.0

A header struct does not exist.

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Q3 Correct pixel struct

15 points

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1

+15.0

A pixel struct exists and has:

- an unsigned int for the red (R) pixel value
- an unsigned int for the green (G) pixel value
- an unsigned int for the blue (B) pixel value



2

+12.0

A pixel struct exists and has all three required member

variables, but the variables are not of type unsigned int.



3

+9.0

A pixel struct exists, but is missing one of the three required member variables (three unsigned ints).



4

+6.0

A pixel struct exists, but is missing two of the three required member variables (three unsigned ints).



5

+0.0

A pixel struct does not exist.

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Q4 Correct use of struct objects & "." (dot) notation

10 points

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1

+10.0

Objects of both the header and pixel structs (array) are created and used with "." (dot) notation throughout the program.



2

+5.0

Objects of both the header and pixel structs (array) are created, but are not used with "." (dot) notation throughout the program.



3

+2.5

An object of either the header or pixel structs (array) is missing.



4

+0.0

No objects of header and pixel structs are created.

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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

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

[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

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1

+1.0

Submitted program has a header comment with the student's specific lab section (ex: 007).



2

+0.0

Submitted program does not have a header comment with the student's specific lab section (ex: 007).

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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

+0.0

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

0 points

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1

-0.0

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

⋮ 2 -1.0

Minor issues with code formatting that slightly impact readability. Grading TA(s) will provide more information in comments.

⋮ 3 -3.0

Frequent issues with code formatting that significantly impact readability. Grading TA(s) will provide more information in comments.

⋮ 4 -5.0

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 ahead of time.



3

-47.5

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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