
Q & A for Assignment 1

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Overview

- ❑ Review of Assignment 1
- ❑ Some questions
- ❑ Q & A

Assignment 1

- ❑ Extend the C program `coord.c` in the lecture note
 - ❑ The extension is to ask the user to enter three coordinate points. The program will decide whether the triangle formed by the three points is an equilateral triangle (i.e. the three lengths are equal). If yes, output “Yes, it is.” on the terminal. Otherwise, output “No, it is not.”
- ❑ To achieve the above aim, a function `check()` should be added
 - ❑ This function will call the original function `distance()` to achieve the aim
- ❑ The function `main()` should be completely re-designed.
 - ❑ It should allow the user to enter three coordinate points to test whether the function `check()` you write is correct.

Sample code structure

```
float distance(COORD a,  
COORD b)  
{  
:  
}
```

```
COORD getcoord(void)  
{  
:  
}
```

```
int check(COORD a, COORD  
b, COORD c)  
{  
:  
}
```

```
int main(void)  
{  
:  
}
```

Submission Procedure

- ❑ Submit two files for grading, namely the Source Program and the Sample Linux Interaction Output
 - ❑ The file name for the Source Program MUST be named `<student-ID>-assign1-source.c` (e.g. 1155XXXXXX-assign1-source.c)
 - ❑ The file name for the Sample Linux Interaction Output MUST be named `<student-ID>-assign1-interact.txt` (e.g. 1155XXXXXX-assign1-interact.txt)
 - ❑ Put these two files into the same folder named `<student-ID>-assign1` and zip the folder. The zipped file MUST be named `<student-ID>-assign1.zip` (e.g. 1155XXXXXX-assign1.zip)
- ❑ Follow the steps in the assignment description to submit

Some questions

- ☐ Can I assume that the additional examples used to test our program would not include cases of equilateral triangle with very short sides (like length < 0.002)?
 - ☐ Yes
- ☐ When we ask the user to input the coordinates, do we have to check if the user inputs a number correctly instead of a letter?
 - ☐ This is not necessary. You just need to make sure your program can read the numbers correctly.

Question & Answer

- ❑ With any questions about the assignment, please check the following Google Document for Q&A first and write only new questions that have not been asked yet:
 - ❑ https://docs.google.com/document/d/1xo_JPAgWloX7OqlaEAQhLYyde566ILfkK3dHE7o03G4/edit?usp=sharing