Quiz 2

Instructions

Dear all,

Quiz 2 will be available on Canvas from **11:59 pm June 15 to 11:59 pm June 16** (24 hours, **U.S. Central Time**) You can take it anytime during this period and you have **30 minutes** with only **ONE attempt** to complete and turn in your answers so please make sure you complete all questions before submitting.

Good Luck!

Your TAs

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	24 minutes	100 out of 100

⚠ Correct answers are no longer available.

Score for this quiz: **100** out of 100
Submitted Jun 16, 2021 at 7:53pm
This attempt took 24 minutes.

Question 1	12.5 / 12.5 pts

In the call-by-value case, if the value of the data passed from a caller to a function is changed in the function, the value is also changed in the caller.

○ True

● False

Question 2   12.5 / 12.5 pts

Does "int array[5] = {0}" set all five elements to 0?
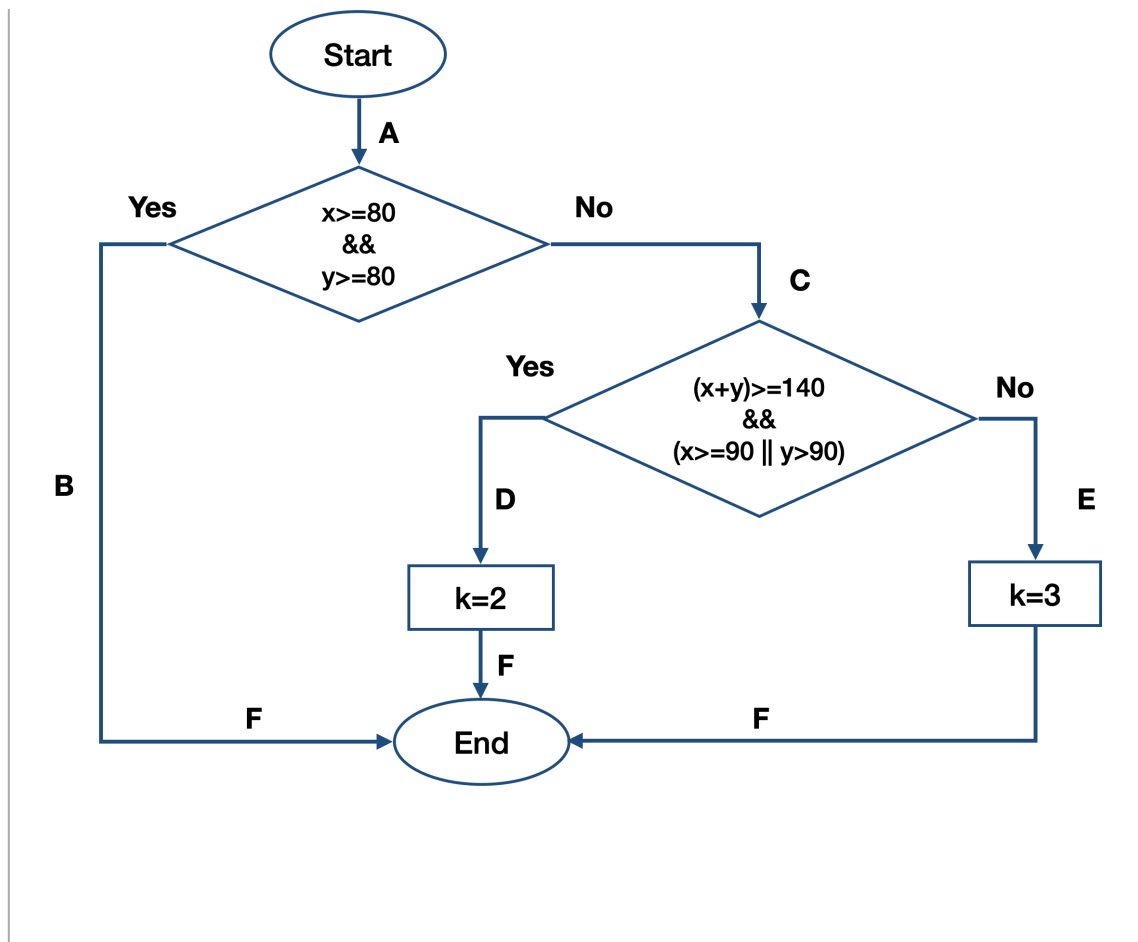
● True

○ False

Question 3   12.5 / 12.5 pts

If data is passed by reference (i.e., call by reference), a memory address of the data is copied to the function instead of the actual variable as is done in a call by value.

● True

○ False

Use this flow chart for questions **Q4**.

Start

A

Yes ← x>=80 && y>=80 → No

C

Yes ← (x+y)>=140 && (x>=90 || y>90) → No

B

D

E

k=2

k=3

F

F

F

End

Question 4

12.5 / 12.5 pts

Which one is invalid values of X and Y for the Statement Coverage?

○ X = 100, Y = 50

◉ X = 100, Y = 100

○ X = 50, Y = 100

○ None of them are invalid.

Black box testing

A U.S. phone number consists of three sections:

1. **Area code**: It can be null or consists of three digits.
2. **Prefix code**: It consists of three digits with non-ZERO or non-ONE as the first digit in the Prefix code section. i.e. 334-123-4567 is invalid because the first digit in the Prefix code is ONE.
3. **Postfix code**: It consists of four digits.

Please answer the following questions **Q5 - Q7**.

Question 5   12.5 / 12.5 pts

In order to achieve the Black Box test, what part(s), generally, do you need to develop cases to test?

○ Area code.

○ Prefix code.

○ Postfix code.

◉ All of the above.

Question 6   12.5 / 12.5 pts

Which control construct repeats a sequence of statements **zero** or more times?

◉ while statement.

○ do-while statement.

○ if-elseif-else statement.

○ switch statement.

Question 7   12.5 / 12.5 pts

Which control construct repeats a sequence of statements **one** or more times?

○ while statement.

◉ do-while statement.

○ if-elseif-else statement.

○ switch statement.

Question 8   12.5 / 12.5 pts

What date is good for Midterm 1?

○ 5pm June 24th - 5pm June 25th

◉ 11:59pm June 24th - 11:59pm June 25th

Quiz Score: **100** out of 100