

Question 1

12.5 / 12.5 pts

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

☒ True

☐ False

Question 2

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

Question 3

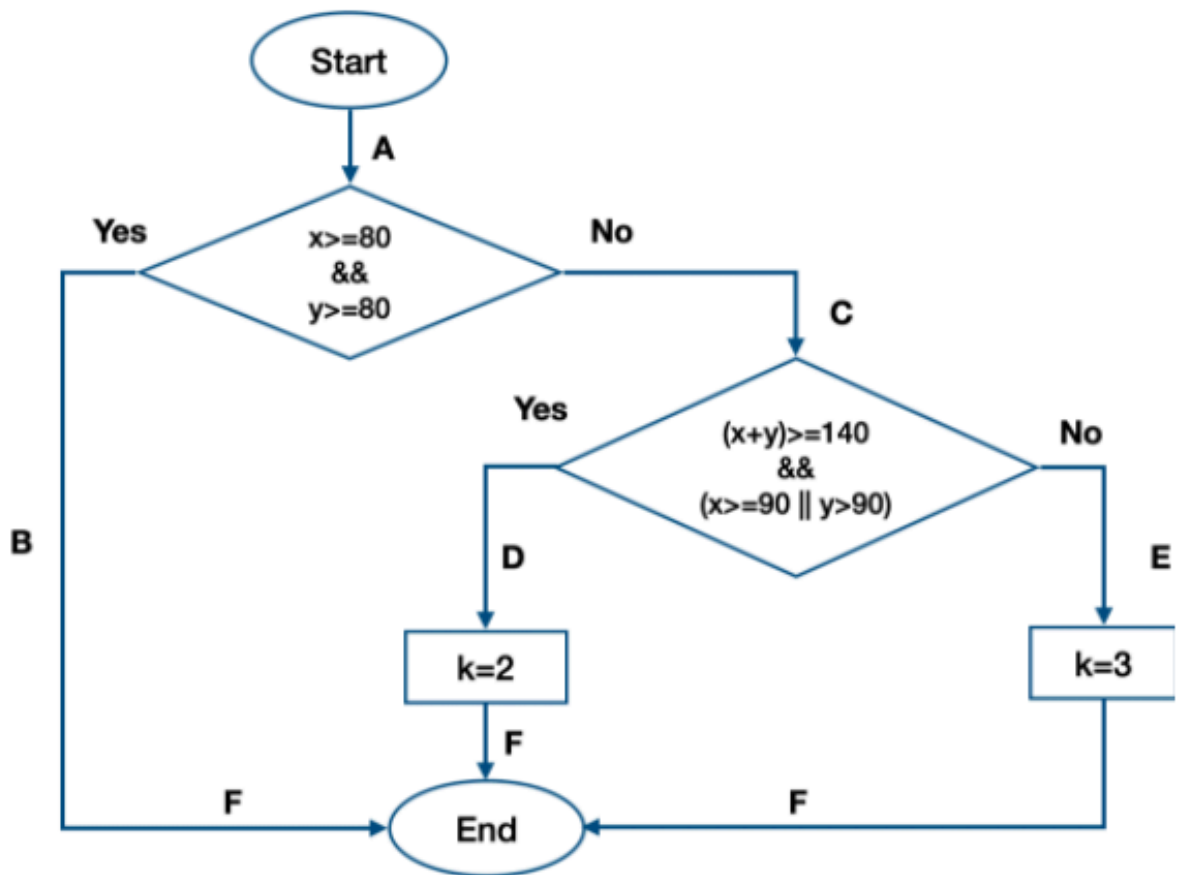
12.5 / 12.5 pts

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

Use this flow chart for questions Q4.



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

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

- ☐ while statement.
- ☒ do-while statement.
- ☐ if-elseif-else statement.
- ☐ switch statement.

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

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 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