**LAB 11**

**(Assessment) Logic Check**

**1)Consider the declaration in SumAllArr:int[]arr1 = new int[max+1];**

**a)How many entries does it create?**

It creates as many entries as the user inputs for max.

**b)Why do we have “max +1”?**

“max +1” is used to add one more index to the array, namely to add 1 to max.

**c)Can we just use “max” and have the program still work correctly?**

I think not, because we are declaring that “int[]arr1” is equal to a different array that has one additional unit.

**2)Before while loop (SumAllArr.java) we have “i = 1;”**

**a)Why is it there?**

We declared “i = 1” because in the statement we subtract one from the array , and we cannot have a negative array.

**b)Can we use another variable instead?**

Yes, as long as it is bigger than 1 and not e qual to zero.

**3)Do-while loop is implemented using (++i <= max)**

**a)Give an alternative expression that does the same logic**

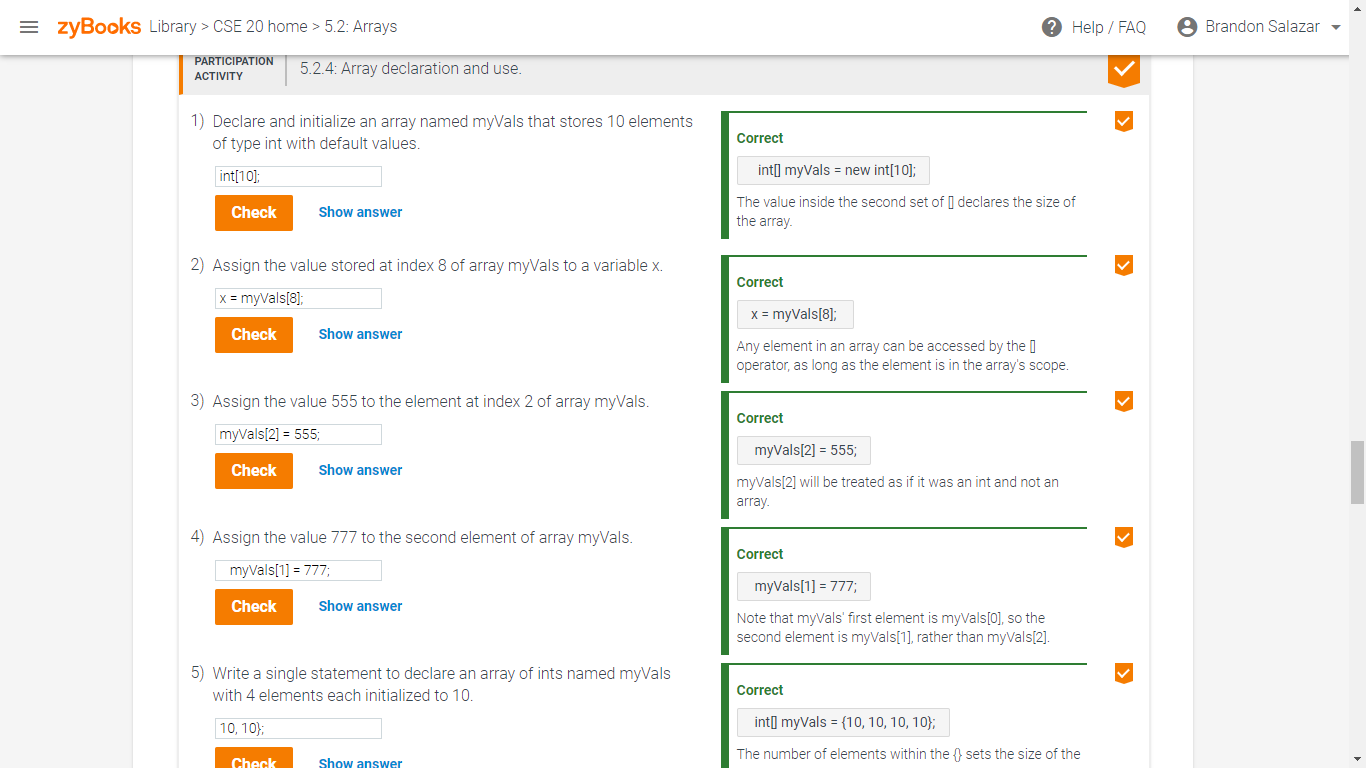
for(int i = 0; i <= max; ++i)

**b)What would (i++ <= max) result in?**

It would add 1 to the variable “i” after it has run one time.

**Participation Activities**

**5.2.4**

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