Participant-1

SPEAKERS
Participant, Observer

Participant
So I start the exam, right?

Participant
 Do you agree to participate? Yes.

Participant
Class public array average, static float, counter is zero, okay. So, while count is less than array dot length. So it's a call to someplace array counter okay. So counter is initialized to zero. So, zero less than array dot length Okay. Okay. So, now the program now, so, this thing starts with void main. So, in an array, there are five elements. So, this has been passed to the function array average. So, we're array dot length has five the length of that is five. So, counter is 0, 0 less than five, this sum is equal to zero plus array counter or a counter at a zero. So, the first element of the array which is one, so one plus zero is one. So it will store one in sum then counter plus one. Analyse

Participant
First counter is incremented to one, which is the next element of that which is two two plus sum was initially one. So

Participant
so it is two plus one three, and it compounds three, then counter is now 001, the next element, next element is three plus two is three plus three which is six. Then, four plus six is 10. Then counter is incremented to five if plus sum five plus 10 is 15. Now, now average is equal to sum divided by counter, which is now counter is five and sum is 15, which is three. So the array average is value three, so it will print the value three.

Participant

Next average number of characters string and static float array average Okay let's go to the void main there is an array Jan, Sammy, anny, lee five of our names okay. So, array average function it passes counter is equal to zero is equal to zero while counter less than array dot length okay array dot lentght is four sum is equal to sum plus off counter okay dot length zero dot length area of zero dot length 00 is Jan dot length is equal to sorry, when jan length is three, three sum zero sum is equal to 00 plus this zero sum is equal to three sometimes equal to three counter plus one the counter becomes one now now one slash array dot length array dot length is four So, which is true to then sum is equal to three plus array dot counter is 112341 plus sum is three, three plus four is seven that counter plus one is bigger about plus one comes to two less than two less than two less than four which is correct. Then seven plus seven plus added load counter is the next element which is an E and E is four So, seven plus four which is 11 Okay, so now, sum is eleven now counter is 3 is three yeah counter is 3 but three less than greater than which is true. So lee 3 length of this array is three so sum is 11. 11 plus three is 14. Now, that is 4 false, it goes out sum is equal to 14. Yeah, 14 divided by the counter four sorry, counter three which is which is the division 14.

Observer

Thank you. Now, I will ask you few follow up questions regarding the survey. So the first question is, **what did you observe at the first moment when you see the snippets?**

Participant

Okay, so the first thing like the snippets, which were there in the questioner, so the first thing which , my eye got into was the function rather than going into the, like, the normally when you go through, when you start solving the snippet, you should start from the void main, the main function. But my first I, the first thing which I went through, got into what the function is, then I changed it to main function.

Observer

Okay. **So did you notice the names of the variables, function and class?**

Participant

Oh, yeah,

Participant

I noticed the name of the function and from the name of the function I had an idea. Okay, what this program is about.

Observer

So, your eye grasped the name of the function. And you guessed what the program is about. **So the name of the method gave you some hint?**

Participant

Yeah. Like, it gave me a hint or idea about what this program will be about.

Observer

what else did you observe about the snippets that are presented? **Did you find any similarities between any of the snippets?**

Participant

There were a couple of questions where I had to find the average. Okay. So that was similar. Okay. And I, and that's it. I think that's something similar.

Observer

Okay, so the final question is that, yeah. You worked with these snippets, that belong to numbers and words. Yeah. One is finding average in words, and the other is finding the average in numbers. So when you saw the snippet and while understanding the snippets **was your approach different for these two snippets?**

Participant

No my approach was not different for these snippets. I solved both the snippets in similar way. Integers and strings in the program did not matter to me much as the algorithms are almost same.

Episodes	Code
Class public array average, static float, counter is zero, okay	Read
So, in, in an array, there are 5 elements. So, this has been passed to the function array average	Analyse
Counter is 0, 0 less than 5, this sum is equal to 0 plus array counter, Then counter is incremented to 5 if plus sum 5 plus 10 is 15	Evaluate
Now counter is 5 and sum is 15, which is 3. So the array average is value 3	Conclude

Coding of sample set of episodes for Numbers algorithm

Episodes	Code
Next average number of characters string and static float array average Okay	Read
There is an array Jan, Sammy, anny, lee 5 names okay. So, array average function it passes.	Analyse
So, which is true then sum is equal to 3 plus array dot counter is 1234 plus sum is 3, 3 plus 4 is 7.	Evaluate
11 plus 3 is 14. Now, that is 4 false, it goes out sum is equal to 14	Conclude

Coding of sample set of episodes for Words algorithm