

Participant-8

SUMMARY KEYWORDS

array, string array, method, counter, string, average, algorithm, divided, numbers, sum, iterating, length, check, float, variables, variable names, integer array, jan, class, integer

SPEAKERS

Participant, Observer

Participant

Can you see my screen?

Observer

Yes, I can see your screen

Participant

Okay. Do you agree to participate?

Participant

Class average function public okay average array average string array while counter is less than array length sum is equal to sum plus array counter dot length counter equal to counter plus one okay and is equal to sum divided by float counter return average number of characters that is a program basically please write the output of the above algorithm. Okay, so let's say we have an array of strings Jan, Sammy, Anna, Lee then Okay, it goes in here. So let's start with the first Jan outcomes here. So, array length is 1234 okay goes here sum is equal to sum plus array counter is currently zero dot length. So that is 1 2 3. 3 so basically counter plus one Okay, sum is zeros that is three anyways, counter it okay then again then three, three plus 4 7, 7 plus 4, 4 4 8 plus 6 14. And then what happens float average equal to sum divided by float counter that is 4 return average so that is 14 divided by four no but then the counter is so 14 divided by four but then I have a question that would be good is starting from zero then the counter would be three if that is the case, because then if it's zero then we are 0.0 no but then we are adding one say it will be four so 14 divided by four.

Participant

Okay, was this the sum? okay array average Okay, that was string this is numbers okay static float array average int array counter zero sum zero while okay let's start with the main function this sends an array 12345 calling the method array average comes here, I have the list of array 12345 okay well So, the length array length is five counter is single. So, who knows less than we are correct and sum is equal to sum or the zero plus array count array at counter that is zero that is one then counter is equal to counter plus one. Okay. Then basically this is 123 610 1515 divided by five so three.

Observer

Yeah, that's the end of the survey. Thank you for your time. And I have a couple of questions for you now .

Observer

Yeah, sure.

Observer

When you saw the snippets, what were you looking for in the snippets ?

Participant

So basically, I first check the method, I check what's there in that method. So, basically the variables, what type of variable they used, then, are there loops if there are loops, which kind of loop to follow for loop by loop that gives a little more information. And then again, the variables like data type, what kind of data type it is? It's an array of integer or string basically. Then, yeah, this is my approach.

Observer

Okay, so did the class name method name or variable names, helped you to guess what the algorithm is going to be?

Participant

Yes, yes, that's what I said. So first the method name was straightforward, like average strings or average numbers. So that gave it away initially a little bit that, okay, that is this method is basically to find the average of something, the string numbers, the occurrence method was, again, that you're trying to find an occurrence of a letter in that particular string. Yeah, yeah, that method if the meaning of the method is given correctly, or you know, what it does, then it's easier to understand.

Observer

And as you said, you observed that two of the algorithms are the same. Was there any difference in your approach while you are solving these algorithms with the string array and integer array?

Participant

I, like when you need to construct two different things when you're dealing with string and integer arrays. So basically, string having a string array. Okay. But then again, iterating, through a particular word, can also be there. So I was looking for that as well, if like, you've already iterated through the array? And are you iterating through like checking the length, or length of the string as well? So basically, they were they were same, but still a little different. Because they're, you're actually checking the string length of the string. And just basically, adding the numbers directly. Yeah, like the approach would be the same. It's just that you add an additional step in the string.

Episodes	Code
Okay, that was string this is numbers okay static float array average int array counter zero.	Read
Okay let's start with the main function this sends an array 12345 calling the method array average comes here.	Analyse
Sum is equal to sum or the zero plus array count array at counter that is zero that is one then counter is equal to counter plus one.	Evaluate
Then basically this is 123 6, 10 15, 15 divided by 5 so 3.	Conclude

Coding of sample set of episodes for Numbers algorithm

Episodes	Code
Class average function public okay average array average string array while counter is less than array length	Read
Okay, so let's say we have an array of strings Jan, Sammy, Anna, Lee then Okay, it goes in here.	Analyse
So let's start with the first Jan outcomes here. So, array length is 1234. okay then again then 3, 3 plus 4 7, 7 plus 4, 4 4 8 plus 6 14.	Evaluate
We are adding one say it will be four so 14 divided by 4.	Conclude

Coding of sample set of episodes for Words algorithm