Ahoy

hey

Do you need help?

yes please

Where are you having a hard time?

I don't understand what arrays are

An array is a container object that holds a fixed number of values of a single type. The length of an array is established when the array is created. After creation, its length is fixed.

Anything else regarding this topic?

yeah, how do i find the size of an array?

The size of an array is the number of elements in CAN contain. To find the size use the array.size attribute. The largest index available in the array is one less than the size.

What other questions do you have about this topic?

nothing thanks

Anything else I can assist you with?

yeah

What topic is giving you trouble?

The teacher keeps talking about abstract, what is that?

Abstract is a Java reserved word that serves as a modifier for classes, interfaces, and methods.

Anything else regarding this topic?

How does it apply to classes?

An abstract class has only abstract methods and may have attributes. This is usually used for making a parent class that will never be used to make an object.

What other questions do you have about this topic?

what is an abstract method?

An abstract method only has a method header and no method body, use a ';' instead of '{}' to make a method abstract

What other questions do you have about this topic?

nothing about this

How else may I be of service?

what can you tell me about for loops?

For is A Java reserved word that represents a loop or a repetition construct. A for statement is executed zero or more times and is usually used when a precise number of iterations is known.

Anything else regarding this topic?

no that's good for now thanks

How else may I be of service?

I am having a hard time understanding how to represent whole numbers.

By default, the int data type is a 32-bit signed two's complement integer, which has a minimum value of -2^31 and a maximum value of 2^31 -1.

Anything else regarding this topic?

How can I declare one?

You can declare a integer variable called x using 'int x;'.

Anything else regarding this topic?

no that's good for now thanks

Do you need help with anything else?

Yeah

What area do you need help with?

What is a boolean?

The boolean data type has only two possible values: true and false. Use this data type for simple flags that track true/false conditions. This data type represents one bit of information, but its "size" isn't something that's precisely defined.

Anything else regarding this topic?

How do I declare a variable of this type?

You can declare a boolean variable called x using 'boolean x;'.

What other questions do you have about this topic?

How do I then initialize it?

You can initialize a boolean variable x using 'x = true;' or 'x = false;'

Anything else regarding this topic?

no thanks you were very helpful

Anything else I can assist you with?

What is a char?

The char data type is a single 16-bit Unicode character. It has a minimum value of '\u0000' (or 0) and a maximum value of '\uffff' (or 65,535 inclusive).

Anything else regarding this topic?

I heard someone talking about a char array what is that?

In most cases using a String is easier than using a char array.

Anything else regarding this topic?

no that's good thanks

Anything else I can assist you with?

How can I comment my code?

A comment is a programming language construct that allows a programmer to embed humanreadable annotations into the source code. Comments are ignored by the computer when your program is run

What other questions do you have about this topic?

Show me an example

You can make the rest of a line a comment using '//'. You can also create a block comment using '/\* ... \*/'. Comments of this form can span multiple lines.

Anything else regarding this topic?

I heard someone talk about block comments, what are those

You can create a block comment using '/\* ... \*/'. Comments of this form can span multiple lines.

What other questions do you have about this topic?

nothing else for now

Do you need help with anything else?

We are learning about extends, what is that

Extends is a Java reserved word used to specify the parent class in the definition of a child class.

What other questions do you have about this topic?

can you show me an example please

To have a class, for example Lion, extend from another class, for example Cat, you would use 'public class Lion extends Cat'.

What other questions do you have about this topic?

no that makes alot of sense thanks!

How else may I be of service?

nothing else for now

Take care

This file shows the output from a sustained conversation with Codebot. Any highlighted lines are user input, all other lines are output from Codebot.