What is source code?  
*Any programs written in user languages that perform tasks it was designed for*

What makes computers so “smart”, anyway?  
The developer who envisions all the scenario a program may encounter.

What is the purpose of a programming language?  
To perform a useful task.

What are 3 examples of programming languages? Why are there so many of these?  
Python, Javascript, Ruby… There are so many because technologies are always changing and becoming more sofisticated so some language become outdated

What is a variable? Why are variables useful?  
hold a value: string, Boolean, number, float. It allows you to store information for later use.

What is the difference between a single-equals (=) and a double-equals (==)?  
“=” sets something to another while “==” returns a Boolean value of true or false determining if the compared values are truly the same

What is the difference between a double-equals (==) and a triple-equals (===)?  
There isn’t a difference

Why does the developer console exist?  
To better assist, the developer’s productivity

When we talk about “conditional” statements, what does that mean? What is an example?  
if a condition is met. Run the code below it. Example: if(x=10){  
 do.something()}

Why would we want **FOR** or **WHILE** loops in our source code?  
It allows for code reusability.

When would you use a **WHILE** loop, instead of a **FOR** loop?  
While loops are useful when we want code to loop indefinitely. An example is, main program loop that will run until the user exits the program.

What is a function? Why would we use functions?  
allows for code reusability, and reduces size on files…. Keep it simple stupid ☺

How many values can you receive back from a function? How many values can you send in?  
as many as the function stipulates in its parameter brackets.

What is an array? How many values does it hold?  
array is a container for a data yet. Arrays can hold as many items as the computer’s RAM supports.

What is a T-diagram and why should I know how to use one?  
T-diagram allows us to break down line by line the source code. To see whats its doing as it iterates line by line.

What are the two ways to comment JS code? When would you use one versus the other?