Braden wanted us to visit the Shark Tank for 20 minutes. So I set the timer on my watch!

We have 20 minutes left. 0 minutes have past.

We have 15 minutes left. 5 minutes have past.

We have 10 minutes left. 10 minutes have past.

We have 5 minutes left. 15 minutes have past.

We finished with the Shark Tank.

Braden wanted us to visit the Sting Ray Tank for 15 minutes. So I set the timer on my watch!

We have 15 minutes left. 0 minutes have past.

We have 10 minutes left. 5 minutes have past.

We have 5 minutes left. 10 minutes have past.

We finished with the Sting Ray Tank.

Braden wanted us to visit the Dolphin Tank for 25 minutes. So I set the timer on my watch!

We have 25 minutes left. 0 minutes have past.

We have 20 minutes left. 5 minutes have past.

We have 15 minutes left. 10 minutes have past.

We have 10 minutes left. 15 minutes have past.

We have 5 minutes left. 20 minutes have past.

We finished with the Dolphin Tank.

Braden wanted us to visit the Fish Tank for 30 minutes. So I set the timer on my watch!

We have 30 minutes left. 0 minutes have past.

We have 25 minutes left. 5 minutes have past.

We have 20 minutes left. 10 minutes have past.

We have 15 minutes left. 15 minutes have past.

We have 10 minutes left. 20 minutes have past.

We have 5 minutes left. 25 minutes have past.

We finished with the Fish Tank.

# Code and Explanation

var tankNames = [ “Shark Tank”, “Sting Ray Tank”, “Dolphin Tank”, “Fish Tank”],

* Describes the variable tank names as each visit to each tank is counted down.

minutesPerTank = [20, 15, 25, 30]

* Marks the starting point in minutes for each tank that is visited.

kidsNames = [ “Braden”, “Rhys”, “Zoe”]

* Lists the variable of kids names when their called upon in the script.

var visitTank = function(whatTank)….etc.

* This will be the variable that holds the function that changes and rotates the tank names.

function (whatTank) {var tankName = tankNames [whatTank]

* This function calls on the variable tankName and shows the rotation of those names through the script and gives this rotation the label whatTank.

minutesThisTank = minutesPerTank [tankNumber]

* This part of the function shows the rotation of the minutes per tank and labels the variable minutesThisTank

console.log (kidNames [0] + “ wanted us to visit the “ + tankName + “ for “ + minutesThisTank + “ minutes. So I set the timer on my watch!”)

* Will output to the console log the start of the first name of the child (Braden), which tank that person wanted to visit and for how long.

for (var minutes = 0; minutes < minutesThisTank; minutes += 5)

* This loop is stating in the beginning what the variable is before the loop starts. Then it is telling us the condition for running the loop. Lastly it is showing us what is done after each time the loop has ben ran/executed.

var minutesRemain = minutesThisTank – minutes

* While the loop above is running this is a part of it counting the minutes remaining.

console.log ( “We have “ + minutesRemain + “ minutes left. “ + minutes + “ minutes have past. “)

* Will put out to the console log the minutes left and how many minutes have past.

console.log (“We finished with the “ + tankName + “.”)

* Console logs what tank the kids are finished visiting after each loop.

for (var tankNumber = 0; tankNumber <tankNames.length; tankNumber++)

* The same as above, this loop is stating in the beginning what the variable is before the loop starts. Then it is telling us the condition for running the loop. Lastly it is showing us what is done after each time the loop has ben ran/executed.
* This one is looping through all of the tanks visited.

visitTank (tankNumber)

* As a part of the loop above tells the script to start with the next tank in line.

# Change One of Two:

Change from this:

for (var minutes = 0; minutes < minutesThisTank; minutes +=5)

To this:

for (var minutes = 0; minutes< minutesThisTank; minutes +=10)

Would increase the minutes passing and the outcome would appear like this:

Braden wanted us to visit the Shark Tank for 20 minutes. So I set the timer on my watch!

We have 20 minutes left. 0 minutes have past.

We have 10 minutes left. 10 minutes have past.

We finished with the Shark Tank.

Braden wanted us to visit the Sting Ray Tank for 15 minutes. So I set the timer on my watch!

We have 15 minutes left. 0 minutes have past.

We have 5 minutes left. 10 minutes have past.

We finished with the Sting Ray Tank.

Braden wanted us to visit the Dolphin Tank for 25 minutes. So I set the timer on my watch!

We have 25 minutes left. 0 minutes have past.

We have 15 minutes left. 10 minutes have past.

We have 5 minutes left. 20 minutes have past.

We finished with the Dolphin Tank.

Braden wanted us to visit the Fish Tank for 30 minutes. So I set the timer on my watch!

We have 30 minutes left. 0 minutes have past.

We have 20 minutes left. 10 minutes have past.

We have 10 minutes left. 20 minutes have past.

We finished with the Fish Tank.

# Change Two of Two:

If I change this:

console.log (kidNames [0] + “ wanted us to visit the “ + tankName + “ for “ + minutesThisTank + “ minutes. So I set the timer on my watch!”)

To this:

console.log (kidNames [1] + “ wanted us to visit the “ + tankName + “ for “ + minutesThisTank + “ minutes. So I set the timer on my watch!”)

It will change the rotation of children to the next one in line and would appear like this:

Rhys wanted us to visit the Shark Tank for 20 minutes. So I set the timer on my watch!

We have 20 minutes left. 0 minutes have past.

We have 15 minutes left. 5 minutes have past.

We have 10 minutes left. 10 minutes have past.

We have 5 minutes left. 15 minutes have past.

We finished with the Shark Tank.

Rhys wanted us to visit the Sting Ray Tank for 15 minutes. So I set the timer on my watch!

We have 15 minutes left. 0 minutes have past.

We have 10 minutes left. 5 minutes have past.

We have 5 minutes left. 10 minutes have past.

We finished with the Sting Ray Tank.

Rhys wanted us to visit the Dolphin Tank for 25 minutes. So I set the timer on my watch!

We have 25 minutes left. 0 minutes have past.

We have 20 minutes left. 5 minutes have past.

We have 15 minutes left. 10 minutes have past.

We have 10 minutes left. 15 minutes have past.

We have 5 minutes left. 20 minutes have past.

We finished with the Dolphin Tank.

Rhys wanted us to visit the Fish Tank for 30 minutes. So I set the timer on my watch!

We have 30 minutes left. 0 minutes have past.

We have 25 minutes left. 5 minutes have past.

We have 20 minutes left. 10 minutes have past.

We have 15 minutes left. 15 minutes have past.

We have 10 minutes left. 20 minutes have past.

We have 5 minutes left. 25 minutes have past.

We finished with the Fish Tank.