

# Introduction to Web Development: JavaScript

## Class 7: Exercises

Review the source code from today's lecture in the respective github repository;

[IntroToWebDev/Class7 at main · prawstho/IntroToWebDev \(github.com\)](https://github.com/prawstho/IntroToWebDev/blob/main/IntroToWebDev/Class7)

1. Create JavaScript code to implement the following three loops;

- i. For
- ii. While
- iii. Do While

b. Create at least two examples for each of the different loops, for a total of six examples.

2. Create three different arrays. (These are examples, please create your own.)

a. An array of numbers.

```
const integers = [98,56,345,87,5,76,91,123,43];
```

b. An array of words.

```
const instruments = ['piano','flute','guitar','tenor banjo','ukulele'];
```

c. An array of objects.

```
const autos = [  
  {id: 10, make: 'Ford', model: 'Bronco', year: 1998},  
  {id: 20, make: 'GMC', model: 'Yukon', year: 2003},  
  {id: 30, make: 'Volkswagen', model: 'Rabbit', year: 2008},  
  {id: 40, make: 'Volkswagen', model: 'Jetta', year: 2012},  
  {id: 50, make: 'Mazda', model: 'Familia', year: 2011}  
];
```

3. Create JavaScript code to implement both a For() and a ForEach() each loop for each of the arrays created in exercise 2 above. This should create six different loops.

```
// FOR (example, please create your own)  
for(let i = 0; i < instruments.length; i++) {  
  console.log(`Instrument: ${instruments[i]}.`)  
};  
  
// FOREACH (example, please create your own)  
instruments.forEach(function(instrument) {  
  console.log(`instrument is ${instrument}.`);  
});
```