

JS assignment (day - 3, date: 10july)

1. lexical scoping
2. higher order function
4. some and every method in array
5. Behavior of 'this' keyword in normal function and in arrow function (Can arrow functions be used as object methods? Why or why not?)

Practice questions

```
const myObject = {  
  x1: "Samba",  
  x2: {  
    x3: {  
      x4: {},  
      x5: "Rails",  
    },  
    x6: {  
      x7: -1,  
      x8: [25, 8, 4, 10]  
    },  
  },  
};
```

1. For the given object, write a single line destructuring assignment to get these values:
 - a. x3 (store result in variable name y)
 - b. 2nd element of x8 (use any variable name for result)
 2. Write JS code to create another object (named newObject), which contains all attributes from the given objects, and the following key value pairs:
 3. Create a base class called Vehicle with the following properties and methods:
 - a. brand (string)
 - b. speed (number)
 - c. Method: move() → logs: "<brand> is moving at <speed> km/h"
- Now, create a subclass called Car that extends Vehicle:
- a. Adds a new property: fuelType (string)
 - b. Adds a new method: refuel() → logs: "<brand> is refueling with <fuelType>"
4. make a static array of first 10 integers, using that array solve these below questions
 - a. print all even numbers in console using filter,
 - b. sum all numbers using reduce