**JavaScript Array of Objects -How to Create, Update, and Loop Through Objects Using JS Array Methods**

### Add a new object at the end - Array.push

//To add an object at the last position, use Array.push

// Way to add objects in list(array)

let cars = [

  {

    color: "purple",

    type: "minivan",

    registration: new Date('2017-01-03'),

    capacity: 7

  },

  {

    color: "red",

    type: "station wagon",

    registration: new Date('2018-03-03'),

    capacity: 5

  },

]

let car = {

  "color": "red",

  "type": "cabrio",

  "registration": new Date('2016-05-02'),

  "capacity": 2

 }

 cars.push(car);

 console.log(cars)

### Add a new object at the end - Array.push

//Add a new object in the middle - Array.splice

//To add an object in the middle, use Array.splice.

//This function is very handy as it can also remove items.

let cars = [

  {

    color: "purple",

    type: "minivan",

    registration: new Date('2017-01-03'),

    capacity: 7

  },

  {

    color: "red",

    type: "station wagon",

    registration: new Date('2018-03-03'),

    capacity: 5

  },

]

let car = {

  "color": "red",

  "type": "cabrio",

  "registration": new Date('2016-05-02'),

  "capacity": 2

}

cars.splice(4, 0, car);

console.log(cars)

### Add a new object at the start - Array.unshift

//Add a new object at the start - Array.unshift

//To add an object at the first position, use Array.unshift.

let cars = [

  {

    color: "purple",

    type: "minivan",

    registration: new Date('2017-01-03'),

    capacity: 7

  },

  {

    color: "red",

    type: "station wagon",

    registration: new Date('2018-03-03'),

    capacity: 5

  },

]

let car = {

  "color": "red",

  "type": "cabrio",

  "registration": new Date('2016-05-02'),

  "capacity": 2

}

cars.unshift(car);

console.log(cars)

//Find an object in an array by its values - Array.find

//Get multiple items from an array that match a condition - Array.filter

//Find an object in an array by its values - Array.find

//Get multiple items from an array that match a condition - Array.filter

let cars = [

  {

    color: "purple",

    type: "minivan",

    registration: new Date('2017-01-03'),

    capacity: 7

  }

]

let car = cars.find(car => car.color === "purple" && car.type === "minivan");

console.log(car);

let redCars = cars.filter(car => car.color === "purple");

console.log(redCars);