

Two arrays of data - carMaster and cars is provided in the Appendix.

While making the REST APIs store the initial data in a file carData.js and use it.

The REST APIs to be created are

GET /cars -> Gets an array of cars. The query parameters can have minprice, maxprice, fuel, type and sort.
POST /cars -> adds the details of a new car.
GET /cars/:id -> Gets the details of the car with the specified id
PUT /cars/:id -> Updates the details of the car with the specified id
DELETE /cars/:id -> Deletes the car with the specified id
GET /carmaster -> Gets the array carMaster

Note : Add the attribute Access-Control-Allow-Methods to allow the PUT and DELETE to function as shown below.

```
app.use(function(req, res, next) {
  res.header("Access-Control-Allow-Origin", "*");
  res.header("Access-Control-Allow-Headers", "Origin, X-Requested-With, Content-Type, Accept");
  res.header("Access-Control-Allow-Methods", "PUT, POST, GET, DELETE, OPTIONS");
  next();
});
```

Appendix

```
let carMaster = [
  {model: "Swift Dzire VXi", make: "Maruti", fuel: "Diesel",
    colors: ["White", "Silver Grey", "Metallic Blue", "Red"], type: "Sedan", transmission: "Manual"},
  {model: "Etios SMi", make: "Toyota", fuel: "Diesel",
    colors: ["White", "Steel Grey", "Black"], type: "Hatchback", transmission: "Manual"},
  {model: "City AXi", make: "Honda", fuel: "Petrol",
    colors: ["Silver Grey", "Metallic Blue", "Black"], type: "Sedan", transmission: "Automatic"},
  {model: "Swift DXi", make: "Maruti", fuel: "Diesel",
    colors: ["White", "Red", "Black"], type: "Hatchback", transmission: "Manual"},
  {model: "Etios VXi", make: "Toyota", fuel: "Diesel",
    colors: ["White", "Silver Grey", "Black"], type: "Sedan", transmission: "Manual"},
  {model: "City ZXi", make: "Honda", fuel: "Petrol",
    colors: ["Silver Grey", "Metallic Blue", "Red"], type: "Sedan", transmission: "Manual"}
];
```

```
let cars = [
  {id: "ABR12", price: 400000, year: 2015, kms: 25000, model: "Swift Dzire VXi", color: "White"},
  {id: "CBN88", price: 480000, year: 2012, kms: 75000, model: "Etios SMi", color: "Steel Grey"},
  {id: "XER34", price: 300000, year: 2013, kms: 55000, model: "City AXi", color: "Metallic Blue"},
  {id: "MPQ29", price: 400000, year: 2015, kms: 25000, model: "Swift DXi", color: "Black"},
  {id: "PYQ88", price: 480000, year: 2012, kms: 75000, model: "Etios VXi", color: "White"},
  {id: "DFI61", price: 300000, year: 2013, kms: 55000, model: "City ZXi", color: "Red"},
  {id: "JUW88", price: 400000, year: 2015, kms: 25000, model: "Swift Dzire VXi", color: "White"},
  {id: "KPW09", price: 285000, year: 2012, kms: 76321, model: "Swift Dzire VXi", color: "White"},
  {id: "NHH09", price: 725000, year: 2018, kms: 15000, model: "City ZXi", color: "Silver Grey"},
  {id: "CTT26", price: 815000, year: 2016, kms: 42500, model: "City AXi", color: "Metallic Blue"},
  {id: "VAU55", price: 345000, year: 2014, kms: 81559, model: "Swift DXi", color: "Red"},
  {id: "BTR31", price: 184000, year: 2011, kms: 120833, model: "Etios VXi", color: "Silver Grey"}
];
```