

Assignment 1: Array Operations

Program:

```
let fruits = [];  
fruits.push("apple", "banana", "orange");  
fruits.shift();  
fruits.push("grape");  
fruits[1] = "pear";  
console.log(fruits);
```

Output:

```
[ 'banana', 'pear', 'grape' ]
```

Assignment 2: Object Operations

Program:

```
let person = {};  
person.name = "John";  
person.age = 30;  
person.city = "New York"  
delete person.age;  
person.job = "Engineer";  
person.city = "San Francisco";  
console.log(person);
```

Output:

```
{ name: 'John', city: 'San Francisco', job: 'Engineer' }
```

Assignment 3: Array of Objects Operations

Program:

```
let cars = [];  
cars.push(  
  { make: "Toyota", model: "Camry", year: 2018 },  
  { make: "Toyota", model: "Camry", year: 2018 },  
  { make: "Toyota", model: "Camry", year: 2018 }  
);  
cars.shift();  
cars.push({ make: "Honda", model: "Civic", year: 2020 });  
cars[1].model = "Accord";  
console.log(cars);
```

Output:

```
[  
  { make: 'Toyota', model: 'Camry', year: 2018 },  
  { make: 'Toyota', model: 'Accord', year: 2018 },  
  { make: 'Honda', model: 'Civic', year: 2020 }  
]
```