

## **For-in,For-of in arrays and strings**

### **1.SOLVE USING FOR-IN LOOP**

```
var car=  
{  
    brand: 'Toyota',  
    model: 'Corolla',  
    year: 2020  
};
```

**O/P:**

**brand: TOYOTA**  
**model: COROLLA**  
**year: 2020**

```
var car = {  
    brand: 'Toyota',  
    model: 'Corolla',  
    year: 2020  
}  
for(i in car){  
    if(i=="brand"|| i=="model"){  
        console.log(i+ ":" +car[i].toUpperCase());  
    }  
    else{  
        console.log(i+": "+car[i]);  
    }  
}
```

**2. var numbers= [1, 2, 3, 4, 5];**

**O/P:**

**1-HI**

**2-HI**

**3-HI**

**4-HI**

**5-HI**

```
var numbers= [1, 2, 3, 4, 5];
for(i in numbers){
  console.log(`${numbers[i]}-HI`)
}
```

**3. var fruits =['Apple', 'Banana', 'Cherry', 'Date'];**

**O/P:**

**0-APPLE**

**1-BANANA**

**2-CHERRY**

**3-DATE**

```
var fruits=["Apple", "Banana", "Cherry", "Date"];
for(i in fruits){
  console.log(`${i}-${fruits[i].toUpperCase()}`)
}
```

**4. var obj = {**

```
  name: 'John',
  age: 30,
  address: {
    city: 'Los Angeles',
    state: 'CA'
  }
};
```

**// Update the city property here**

**O/P: {name: 'John', age: 30, address: {city: 'San Francisco', state: 'CA'}}**

```
var obj = {
```

```
  name: "John",
  age: 30,
  address: {
```

```
city: "Los Angeles",  
state: "CA"  
}  
};  
obj.address.city="San Francisco";  
console.log(obj);
```

```
5. var car = {  
brand: 'Toyota',  
model: 'Camry',  
year: 2020  
};
```

**// Update model and year here**

**O/P:{ brand: 'Toyota', model: 'Corolla', year: 2022}**

```
var car = {  
brand: "Toyota",  
model: "Camry",  
year: 2020  
};  
car.model="Corolla";  
car.year=2022;  
console.log(car);
```

```
6. var recipe = {  
name: 'Pasta',  
servings: 2,  
ingredients: ['noodles', 'sauce']  
};
```

**// Add an ingredient here**

**O/P:{ name: 'Pasta', servings: 2, ingredients: ['noodles', 'sauce', 'cheese' ]  
}**

```
var recipe = {  
  name: "Pasta",  
  servings: 2,  
  ingredients: ["noodles", "sauce"]  
};  
recipe.ingredients.push("cheese");  
console.log(recipe);
```