

DOCUMENT

For-in Loop

1.Solve using FOR-IN loop:

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

Code:

```
var car = {brand:'Toyota','model':'Corolla','year':'2020'};  
for (i in car) {  
  console.log(`${i}: ${car[i]}`)  
}
```

Output:

```
brand: Toyota  
model: Corolla  
year: 2020
```

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

Code: var numbers = [1,2,3,4,5];

```
for (i in numbers) {  
  console.log(`${numbers[i]}-HI`)  
}
```

Output: 1-HI

2-HI

3-HI

4-HI

5-HI

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

Code: var fruits = ['Apple','Banana','Cherry','Date'];

```
for (i in fruits) {  
  console.log(`${i}-${fruits[i]. toUpperCase()}`)  
}
```

Output: 0-APPLE

1-BANANA

2-CHERRY

3-DATE

4. var obj2 = {name:"John",

age:30,

address: {

city: 'Los Angeles',

state: 'CA'

}

};

// update the city property here

Code: var obj2 = {name:"John",

age:30,

address: {

```
    city: 'Los Angeles',
    state: 'CA'
  }
};
obj2.city= 'San Francisco';
console.log(obj2)
Output: {
  name: 'John',
  age: 30,
  address: {city: 'Los Angeles', state: 'CA'},
  city: 'San Francisco'
}
```

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

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

```
Output: {brand: 'Toyota', model: 'Fortuner', year: 2022}
```

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

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

```
Output: {
  name: 'Pasta',
  servings: 2,
  ingredients: [ 'noodles', 'sauce', 'Cheese']
}
```