

## For in & For of

### 1.Solve using for-in loop

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

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

#### Output:

```
brand: TOYOTA  
model: COROLLA  
Year:2020
```

### 2.Solve using for-in loop

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

```
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.Solve using for-in loop

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

```
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 obj =

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

```
var obj={
    name: 'john',
    age:30,
    address:{
        city:'Los Angeles',
        state:'CA'
    }
};
obj.address.city="Hyderabad";
console.log(obj);
```

Output: { name: 'john', age: 30, address: { city: 'Hyderabad', state: 'CA' } }

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

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

Output: { brand: 'Toyota', model: 'Corolla', year: 2022 }

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

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

Output:

```
{  
  name: 'Pasta',
```

**servings: 2,**

**ingredients: [ 'noodles', 'sauce', 'cheese' ]**

**}**