

## **FOR IN ,FOR OF LOOPS AND OBJECT METHODS**

**1.i/p:**var car = {

brand: 'Toyota',  
model: 'Corolla',  
year: 2020  
}

**o/p:**brand:TOYOTA  
Model:COROLLA  
Year:2020

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

**2.i/p:**var numbers = [1, 2, 3, 4, 5]

**o/p:**1-HI  
2-HI  
3-HI  
4-HI  
5-HI

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

**3.i/p:**var fruits = ['Apple', 'Banana', 'Cherry', 'Date']

**o/p:**0 - APPLE  
1 - BANANA  
2 - CHERRY  
3 - DATE

**code:**var fruits = ['Apple', 'Banana', 'Cherry', 'Date']  
for(i in fruits){  
console.log(`\${i} - \${fruits[i].toUpperCase()}`)  
}

**4.i/p:**var obj = {

name: 'Jhon',  
age: 30,  
address:{  
city:'Los Angeles',  
state: 'CA'

```

    }
    //update the city property here
    o/p:{
        name: 'Jhon',
        age: 30,
        address: { city: 'San Francisco', state: 'CA' }
    }
    code:var obj = {
        name: 'Jhon',
        age: 30,
        address:{
            city:'Los Angeles',
            state: 'CA'
        }
    }
    obj.address.city='San Francisco'
    console.log(obj)
5.i/p:var car = {
    brand: 'Toyota',
    model: 'Camry',
    year: 2020
}
//update model and year here
o/p: { brand: 'Toyota', model: 'Collolla', year: 2022 }
code: var car = {
    brand: 'Toyota',
    model: 'Camry',
    year: 2020
}
    car.model = 'Collolla'
    car.year = 2022
    console.log(car)
6.i/p:var recipe = {
    name:'Pasta',
    servings:2,
    ingredients:['noodles', 'sauce']
}
//add an ingredient here
o/p:{
    name: 'Pasta',
    servings: 2,
    ingredients: [ 'noodles', 'sauce', 'cheese' ]
}
code:var recipe = {

```

```
name:'Pasta',  
servings:2,  
ingredients:['noodles', 'sauce']  
}  
recipe.ingredients.push('cheese')  
console.log(recipe)
```