**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' ]**

**}**