

## SOLVE USING FOR-IN LOOP

```
1.var car={
```

```
  brand: "Toyota", model: 'Corolla'
```

```
  year: 2020
```

```
}
```

**o/p:**

**brand: TOYOTA**

**model: COROLLA**

**year: 2020**

main.js	Output
<pre>1 var car = { brand: "Toyota", model: "Corolla", year: "2020" }; 2 for (x in car) { 3   console.log(`\${x}: \${car[x].toUpperCase()}`); 4 } 5</pre>	<pre>node /tmp/A45GsKj2TY.js brand: TOYOTA model: COROLLA year: 2020</pre>

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

**O/P:**

**1-HI**

**2-HI**

**3-HI**

**4-HI**

**5-HI**

main.js	Output
<pre>1 var numbers=[1,2,3,4,5] 2 for(i in numbers){ 3   console.log(`\${numbers[i]}-HI`) 4 } 5</pre>	<pre>node /tmp/HYUa1fcnPQ.js 1-HI 2-HI 3-HI 4-HI 5-HI</pre>

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

**0/P:**

**0-APPLE**

**1-BANANA**

**2-CHERRY**

**3-DATE**

main.js	Output
<pre>1 var fruits=['Apple','Banana','Cherry','Date'] 2 for(y in fruits){ 3   console.log(`\${y}-\${fruits[y].toUpperCase()}`); 4 5 } 6</pre>	<pre>node /tmp/I9PLFlaGsG.js 0-APPLE 1-BANANA 2-CHERRY 3-DATE</pre>

**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'))**

main.js	Output
<pre>1 var obj={ 2   name:'john', 3   age:30, 4   address:{ 5     city:'Los Angles', 6     state:'CA' 7   } 8 } 9 obj.address.city="San Francisco" 10 console.log(obj) 11</pre>	<pre>node /tmp/qyg3AqCwMc.js {   name: 'john',   age: 30,   address: { city: 'San Francisco', state: 'CA' } }</pre>

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

// Update model and year here

O/P: brand: "Toyota", model: 'Corolla, year: 2022

main.js	Output
<pre>1 var car = { brand: "Toyota", model: "Camry", year: 2020 }; 2 car.model="Corolla" 3 car.year=2022 4 console.log(car) 5</pre>	<pre>node /tmp/sPHS7ap5IW.js { brand: 'Toyota', model: 'Corolla', year: 2022 }</pre>

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

// Add an ingredient here

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

main.js	Output
<pre>1- var recipe={ 2   name:'pasta', 3   servings:2, 4   ingredients:['noodles','sauce'] 5 } 6 recipe.ingredients[2]="cheese" 7 console.log(recipe)</pre>	<pre>node /tmp/xel8SBV1tG.js {   name: 'pasta',   servings: 2,   ingredients: [ 'noodles', 'sauce', 'cheese' ] }</pre>