1.solve using for-in loop

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){

x=""+car[i];

console.log(`${i}:`,x.toUpperCase())

}

o/p:

brand: TOYOTA

model: COROLLA

Year: 2020

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

code:

var num=[1,2,3,4,5];

for(i in num){

console.log(`${parseInt(i)+1}-HI`);

}

o/p:

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()}`);

}

o/p:

0-APPLE

1-BANANA

2-CHERRY

3-DATE

4.var obj = {

name:’john’,

age:30,

address:{

city:’Los Angeles’,

state:’CA’

}

};

code:

var obj={

name:'john',

age:30,

address:{

city:'Los Angeles',

state:'CA'

}

};

obj.address["city"]='san francisco'

console.log(obj);

o/p:

{

name: 'john',

age: 30,

address: { city: 'san francisco', state: 'CA' }

}

5.var car={

brand:’Toyota’,

model:’Camry’,

Year:2020

};

Code:

var car = {

brand:'Toyota',

model:'camry',

year:2020

}

car.model='corolla'

car.year=2022;

console.log(car);

o/p:

{ brand: 'Toyota', model: 'corolla', year: 2022 }

6.var recipe={

name:’Pasta’,

Servings:2,

ingredients:[‘noodles’,’sauce’];

}

Code:

var recipe ={

name:'pasta',

servings:2,

ingredients:["noodles","sauce"]

}

recipe.ingredients[2]="cheese";

console.log(recipe);

o/p:

{

name: 'pasta',

servings: 2,

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

}