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.push("cheese");
console.log(recipe);
```

o/p:
{
  name: 'pasta',
  servings: 2,
  ingredients: ['noodles', 'sauce', 'cheese']
}