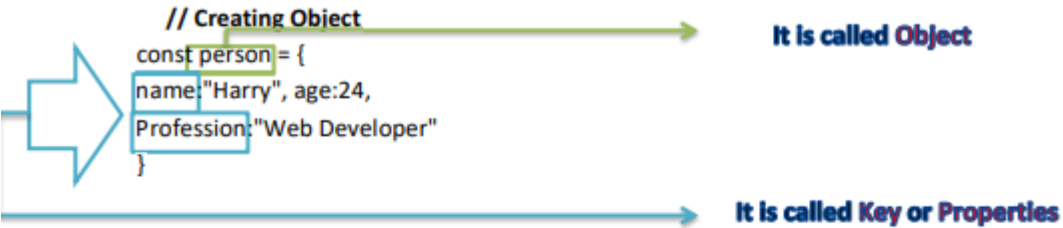


// Object

// Creating Object



```
const person = {  
  name: "Harry", age: 24,  
  Profession: "Web Developer"  
}
```

It is called **Object**

It is called **Key or Properties**

// Access Data From Object

```
console.log(person.name)
```

→ *By dot notation*

```
console.log(person["name"])
```

→ *By Bracket notation*

// Create array in object

```
let person2 = {  
  name: "Salani",  
  age: 17,  
  hobbies: ["Coding", "Computer Building",  
    "Sleeping in Rainy weather"]  
}
```

Note: We can Treat as a normal array which is created inside object

// Add Key value / Properties in Object

```
person.gender = "Male"; → By dot notation
```

```
person["gender"] = "Male"; → By Bracket Notation
```

```
// A key value / Properties will be added in person object called "Gender" which value is "male"
```

```
// How to make like this objectc PERSON HOBBIES key value in object?  
"PERSON HOBBIES" use "PERSON HIBBIES " for double words key.  
And we can access these double words key by using bracket notation.  
console.log(person["PERSON HOBBIES"])
```

```
// How to iterate Object  
We can do this using for in loop, object.keys
```

```
// It will print only key of object  
for(let key in person){  
  console.log(key)  
}
```

```
// It will print value of object  
for(let key in person){  
  console.log(person[key])  
}
```

// It will print key and value of object

```
for(let key in person){  
  console.log(`${key} : ${person[key]}`)  
}  
for(let key in person){  
  console.log(key, ":", person[key])  
}
```



Both Syntax means same

//Object Destructing

```
Const band = {  
  bandName: "led Zappelin",  
  famousSong: "stairway to heaven"  
};
```

```
Const {var1, var2}=band;  
Console.log(bandName);
```

```
const key ="email";  
const person={  
  name:"Dharmendra",  
  Age:18,  
  "his hobbies": ["Sleeping", "Cooking", "Building Computer" ]  
}  
person[key]="zaynhere@icloud.com";  
console.log(person)
```

Here, I want *email* instead of *Key*. I want to print *"email"* instead of *key* in person object which is stored in *"key"* variable.

//Deleting Properties from Object

delete student.rollno



//Get Length Of an Object

```
Console.log(object.keys(student.length);
```

//Object Inside Array

```
const users =[  
{userId: 1, firstName: "Harshit", gender: "Male"},  
{userId: 2, firstName: "Aryan", gender: "Male"},  
{userId: 3, firstName: "Zayn", gender: "Male"},  
]
```

Iteration

```
for(let var of users){  
  console.log(var)  
}
```

Nested Destructing

```
const users =[  
{userId: 1, firstName: "Harshit", gender: "Male"},  
{userId: 2, firstName: "Aryan", gender: "Male"},  
{userId: 3, firstName: "Zayn", gender: "Male"},
```

]

const [user1, user2, user3]=users;

//user1, user2, user3 has the data of above object. It is also a object.

//Now if I want to access only firstName of userId1 and skip userId2, but need gender from userId3. How to do this distructing?

const[{firstName}, , {gender}] =users;

console.log(firstName) --it is a variable.

console.log(gender) --it is a variable

:OUTPUT:

Harshit

Male