**//Objects have properties and methods, they are usually represented in “key:value” pairs**

**//Eg.,**

let person = {

name:`krish`,

age:20,

area:"chennai"

}

console.log(person)

**Output:**

{ name: 'krish', age: 20, area: 'chennai' }

**//Can also be written as**

let person1 = new Object();

person1.name='Goks',

person1.age=21,

person1.area="trichy",

console.log(person1)

**Output:**

{ name: 'Goks', age: 21, area: 'trichy' }

**//Accessing particular property using dot notation**

console.log(person.name)

**Output:**

krish

**//To change the value**

person1.age=25

console.log(person1)

**Output:**

{ name: 'Goks', age: 25, area: 'trichy' }

**//to add new property**

person1.gender="Male"

console.log(person1)

**Output:**

{ name: 'Goks', age: 25, area: 'trichy', gender: 'Male' }

**//using functions**

let person2 = new Object();

person2.name='Goks',

person2.age=21,

person2.area="trichy",

person2.favfood=function(){

console.log ('fav food is biryani')

}

person2.favfood();

**Output:**

fav food is biryani

**//using objects and arrays**

let person3 = new Object();

person3.name='Goks',

person3.age=21,

person3.area="trichy",

person3.favmovies={

Muthu:"rajini",

billa:"rajini",

baasha:"rajini"

}

person3.hobby=[`songs`,`piano`,`guitar`]

console.log(person3.favmovies.baasha)

console.log(person3.hobby[1])

console.log(person3)

**Output:**

rajini

piano

{

name: 'Goks',

age: 21,

area: 'trichy',

favmovies: { Muthu: 'rajini', billa: 'rajini', baasha: 'rajini' },

hobby: [ 'songs', 'piano', 'guitar' ]

}

***Objects in JavaScript may be defined as an unordered collection of related data, of primitive or reference types, in the form of “key: value” pairs. These keys can be variables or functions and are called properties and methods, respectively, in the context of an object.***