//1.object: In javascript object is an real world entity which have properties and behaviours

//2.create object:

*const* person = {

  firstName: "Ramesh",

  lastName: "Yadav",

  age: "35",

};

console.log(person);

//output:firstname:'Ramesh',lastname:'Yadav',age:'35'

//3.accessing objects in two ways

//1.using '.'

//2.using '[]'

*const* person1 = {

  firstName: "Ramesh",

  lastName: "Yadav",

  age: "35",

};

console.log(person1.firstName); //1st way

console.log(person["age"]); //2nd way

//output:Ramesh,35

//4.this:this is a keyword in javascript whchi reffers to the owner of the function

*const* person2 = {

  firstName: "Ramesh",

  lastName: "Yadav",

  carname: "Mahindra Thar 4X4",

  age: "35",

  color: "Yellow",

  score: {

    English: 95,

    chemistry: 70,

    hindi: 99,

  },

  prints() {

    console.log(

      `My name is ${this.firstName},I have ${car.color} car whose name is ${this.carname}`

    );

  },

};

*const* car = {

  name: "Mahendra Thar 4X4",

  color: "black",

};

console.log(person2);

person2.prints();

//5.remove property :we use delete to remove the property

delete person2.color;

console.log(person2);

//6.modifying the object values:

*const* person3 = {

  firstName: "Ramesh",

  lastName: "Yadav",

  age: "35",

  color: "black",

};

console.log((person3.firstName = "Rohit"), (lastName = "Sharma"));

console.log((person3.lastName = "Kumar"));

//7.constructor function:

//In javascript constructor function it is used to create objects and function person() is an object function.

//we create an object we need constructor function and new keyword.

//ex:

*function* name1() {

  this.name = "Parth";

}

*const* person4 = new name1();

//8.getter and setter

//getter is used to read the properties and setter is used to write the properties

*const* person5 = {

  firstName: "Sanjay",

  lastName: "Patel",

  age: "52",

*get* fullName() {

    return `${this.firstName} ${this.lastName}`;

  },

*set* fullName(*name*) {

*const* parts = *name*.split(" ");

    this.firstName = parts[0];

    this.lastName = parts[1];

  },

};

console.log(person5.firstName);

person.fullName = "Aniket";

console.log(person5.firstName);

console.log(person5.lastName);

//9.check if a property exits in an object

console.log("age" in person5);

//output:true

//10.creating date object : there are 4 ways to create a date object

//1.new Date()

//2.new Date(milliseceonds)

//3.new Date(Date string)

//4.new Date(year,month,day,hours,minutes,seconds,milliseconds)

*let* date = new *Date*();

console.log(date);

*let* date1 = new *Date*();

console.log(date1.getMilliseconds);

*let* date2 = new *Date*("2023-06-22");

console.log(date2);

*let* date3 = new *Date*(2023, 13, 9, 5, 9, 2, 3);

console.log(date3);

//11.adding 5 days

*let* date6 = new *Date*("mar 12,2023 11:22:33");

date6.setDate(date6.getDate() + 5);

console.log(date6);

//12.compare two dates

*let* date7 = new *Date*("may 01 2017 10:33:44");

*let* date8 = new *Date*("dec 03 2023 10:33:44");

if (date7 > date8) {

  console.log("this day is earlier");

} else {

  console.log("this day is past");

}