let fruits = ["grape", true, "papaya", "kiwi", "pomegranate"]  
console.log("First fruit:", fruits[0])  
console.log("Is it available:", fruits[1])  
console.log("Second fruit:", fruits[2])  
console.log("Third fruit:", fruits[3])

let vegetables = ["cabbage", "brinjal", false, "spinach", "beetroot"]  
console.log("First vegetable:", vegetables[0])  
console.log("Second vegetable:", vegetables[1])  
console.log("Is it fresh:", vegetables[2])  
console.log("Third vegetable:", vegetables[3])

let phones = ["realme", "oneplus", "nokia", "samsung"]  
console.log("Top phone:", phones[0])  
console.log("Popular brand:", phones[1])  
console.log("Classic model:", phones[2])  
console.log("Trending brand:", phones[3])

let room\_numbers = [12, 34, 56, 78, 90]  
console.log("First room number:", room\_numbers[0])  
console.log("Second room number:", room\_numbers[1])  
console.log("Third room number:", room\_numbers[2])  
console.log("Fourth room number:", room\_numbers[3])  
console.log("Fifth room number:", room\_numbers[4])

let arr1 = ["machine", 99, null, true]  
console.log("Item name:", arr1[0])  
console.log("Item code:", arr1[1])  
console.log("Missing value:", arr1[2])  
console.log("Is working:", arr1[3])

let animals = ["elephant", "zebra", "bear", "wolf"]  
console.log("Wild animal:", animals[0])  
console.log("Striped animal:", animals[1])  
console.log("Forest animal:", animals[2])  
console.log("Dangerous animal:", animals[3])

let colors = ["purple", "pink", false, "brown", "grey"]  
console.log("First color:", colors[0])  
console.log("Second color:", colors[1])  
console.log("Is it bright:", colors[2])  
console.log("Third color:", colors[3])  
console.log("Fourth color:", colors[4])

let bikes = ["ktm", "bajaj", "hero", "tvs"]  
console.log("Sports bike:", bikes[0])  
console.log("Popular brand:", bikes[1])  
console.log("Economy bike:", bikes[2])  
console.log("Reliable brand:", bikes[3])

let laptops = ["acer", "apple", "msi", "samsung"]  
console.log("Laptop 1:", laptops[0])  
console.log("Laptop 2:", laptops[1])  
console.log("Laptop 3:", laptops[2])  
console.log("Laptop 4:", laptops[3])

let countries = ["france", "brazil", "australia", "germany", false]  
console.log("Country 1:", countries[0])  
console.log("Country 2:", countries[1])  
console.log("Country 3:", countries[2])  
console.log("Country 4:", countries[3])  
console.log("Is developed:", countries[4])

let subjects = ["physics", "chemistry", "biology", "economics", null]  
console.log("Main subject:", subjects[0])  
console.log("Lab subject:", subjects[1])  
console.log("Life science:", subjects[2])  
console.log("Social study:", subjects[3])  
console.log("Optional subject:", subjects[4])

let cars = ["mercedes", "jeep", null, "ford", "honda"]  
console.log("Luxury car:", cars[0])  
console.log("Off-road car:", cars[1])  
console.log("Unknown car:", cars[2])  
console.log("American car:", cars[3])  
console.log("Japanese car:", cars[4])

let obj1 = {  
fruit: "apple",  
quantity: 10,  
price: 150,  
is\_available: false  
}  
console.log("Fruit name:", obj1.fruit)  
console.log("Available quantity:", obj1.quantity)  
console.log("Price per box:", obj1.price)  
console.log("Is available:", obj1.is\_available)

let frontend = {  
program: "typescript",  
invented\_year: 2012,  
frame\_work: "angular",  
css\_framework: "bulma"  
}  
console.log("Frontend language:", frontend.program)  
console.log("Invented year:", frontend.invented\_year)  
console.log("Framework used:", frontend.frame\_work)  
console.log("CSS framework:", frontend.css\_framework)

let backend = {  
program: "python",  
invented\_year: 1991,  
frame\_work: "django",  
css\_framework: "tailwind"  
}  
console.log("Backend language:", backend.program)  
console.log("Invented year:", backend.invented\_year)  
console.log("Framework used:", backend.frame\_work)  
console.log("CSS framework:", backend.css\_framework)

let restaurant = {  
name: "Ocean Breeze",  
opened\_year: 2018,  
cuisine: "Seafood",  
rating: 4.8  
}  
console.log("Restaurant name:", restaurant.name)  
console.log("Opened year:", restaurant.opened\_year)  
console.log("Cuisine type:", restaurant.cuisine)  
console.log("Customer rating:", restaurant.rating)

let movie = {  
title: "Interstellar",  
released\_year: 2014,  
genre: "Sci-Fi",  
director: "Christopher Nolan"  
}  
console.log("Movie title:", movie.title)  
console.log("Released year:", movie.released\_year)  
console.log("Genre:", movie.genre)  
console.log("Director:", movie.director)

let book = {  
title: "The Alchemist",  
published\_year: 1988,  
author: "Paulo Coelho",  
genre: "Adventure"  
}  
console.log("Book title:", book.title)  
console.log("Published year:", book.published\_year)  
console.log("Author:", book.author)  
console.log("Genre:", book.genre)

let car = {  
brand: "BMW",  
model: "X5",  
specs: {  
battery: "80kWh",  
range: "400km",  
autopilot: false  
}  
}  
console.log("Car brand:", car.brand)  
console.log("Car model:", car.model)  
console.log("Battery capacity:", car.specs.battery)  
console.log("Range:", car.specs.range)  
console.log("Autopilot enabled:", car.specs.autopilot)

let restaurant2 = {  
name: "Golden Spoon",  
location: "Bangalore",  
menu: {  
starters: ["Spring Rolls", "Veg Manchurian"],  
main\_course: ["Paneer Butter Masala", "Fried Rice"],  
desserts: ["Brownie", "Ice Cream"]  
}  
}  
console.log("Restaurant name:", restaurant2.name)  
console.log("Location:", restaurant2.location)  
console.log("Starters:", restaurant2.menu.starters)  
console.log("Main course:", restaurant2.menu.main\_course)  
console.log("Desserts:", restaurant2.menu.desserts)

let movie2 = {  
title: "Avatar",  
released\_year: 2009,  
cast: {  
lead\_actor: "Sam Worthington",  
supporting\_actor: "Stephen Lang",  
actress: "Zoe Saldana"  
}  
}  
console.log("Movie title:", movie2.title)  
console.log("Released year:", movie2.released\_year)  
console.log("Lead actor:", movie2.cast.lead\_actor)  
console.log("Supporting actor:", movie2.cast.supporting\_actor)  
console.log("Actress:", movie2.cast.actress)

let school = {  
name: "Green Valley School",  
established: 1998,  
principal: {  
name: "Mrs. Priya Rao",  
age: 48,  
experience: "22 years"  
}  
}  
console.log("School name:", school.name)  
console.log("Established year:", school.established)  
console.log("Principal name:", school.principal.name)  
console.log("Principal age:", school.principal.age)  
console.log("Experience:", school.principal.experience)

let book2 = {  
title: "The Power of Habit",  
author: "Charles Duhigg",  
publication: {  
year: 2012,  
publisher: "Random House",  
edition: "First"  
}  
}  
console.log("Book title:", book2.title)  
console.log("Author:", book2.author)  
console.log("Published year:", book2.publication.year)  
console.log("Publisher:", book2.publication.publisher)  
console.log("Edition:", book2.publication.edition)

let app = {  
name: "Instagram",  
platform: "iOS",  
features: {  
messaging: true,  
voice\_call: false,  
video\_call: true  
}  
}  
console.log("App name:", app.name)  
console.log("Platform:", app.platform)  
console.log("Messaging feature:", app.features.messaging)  
console.log("Voice call feature:", app.features.voice\_call)  
console.log("Video call feature:", app.features.video\_call)

let fruits = [  
{name: "Grapes", color: "Green", price: 80},  
{name: "Pineapple", color: "Yellow", price: 90},  
{name: "Strawberry", color: "Red", price: 120}  
]  
console.log("Fruit name:", fruits[0].name)  
console.log("Fruit color:", fruits[0].color)  
console.log("Fruit price:", fruits[0].price)

console.log("Fruit name:", fruits[1].name)  
console.log("Fruit color:", fruits[1].color)  
console.log("Fruit price:", fruits[1].price)

console.log("Fruit name:", fruits[2].name)  
console.log("Fruit color:", fruits[2].color)  
console.log("Fruit price:", fruits[2].price)

let vegetables = [  
{name: "Cabbage", color: "Light Green", price: 35},  
{name: "Beetroot", color: "Dark Red", price: 45},  
{name: "Spinach", color: "Green", price: 25}  
]  
console.log("Vegetable name:", vegetables[0].name)  
console.log("Color:", vegetables[0].color)  
console.log("Price:", vegetables[0].price)

console.log("Vegetable name:", vegetables[1].name)  
console.log("Color:", vegetables[1].color)  
console.log("Price:", vegetables[1].price)

console.log("Vegetable name:", vegetables[2].name)  
console.log("Color:", vegetables[2].color)  
console.log("Price:", vegetables[2].price)

let cars = [  
{brand: "Toyota", model: "Camry", price: 40000},  
{brand: "Hyundai", model: "Creta", price: 25000},  
{brand: "Kia", model: "Seltos", price: 23000}  
]  
console.log("Car brand:", cars[0].brand)  
console.log("Car model:", cars[0].model)  
console.log("Car price:", cars[0].price)

console.log("Car brand:", cars[1].brand)  
console.log("Car model:", cars[1].model)  
console.log("Car price:", cars[1].price)

console.log("Car brand:", cars[2].brand)  
console.log("Car model:", cars[2].model)  
console.log("Car price:", cars[2].price)

let movies = [  
{title: "Interstellar", director: "Christopher Nolan", year: 2014},  
{title: "The Dark Knight", director: "Christopher Nolan", year: 2008},  
{title: "Gladiator", director: "Ridley Scott", year: 2000}  
]  
console.log("Movie title:", movies[0].title)  
console.log("Director:", movies[0].director)  
console.log("Released year:", movies[0].year)

console.log("Movie title:", movies[1].title)  
console.log("Director:", movies[1].director)  
console.log("Released year:", movies[1].year)

console.log("Movie title:", movies[2].title)  
console.log("Director:", movies[2].director)  
console.log("Released year:", movies[2].year)

let books = [  
{title: "The Silent Patient", author: "Alex Michaelides", year: 2019},  
{title: "Atomic Habits", author: "James Clear", year: 2018},  
{title: "The Subtle Art of Not Giving a F\*ck", author: "Mark Manson", year: 2016}  
]  
console.log("Book title:", books[0].title)  
console.log("Author:", books[0].author)  
console.log("Published year:", books[0].year)

console.log("Book title:", books[1].title)  
console.log("Author:", books[1].author)  
console.log("Published year:", books[1].year)

console.log("Book title:", books[2].title)  
console.log("Author:", books[2].author)  
console.log("Published year:", books[2].year)

let phones = [  
{brand: "Realme", model: "GT Neo 3", price: 35000},  
{brand: "Google", model: "Pixel 7", price: 60000},  
{brand: "Vivo", model: "V30 Pro", price: 45000}  
]  
console.log("Phone brand:", phones[0].brand)  
console.log("Model:", phones[0].model)  
console.log("Price:", phones[0].price)

console.log("Phone brand:", phones[1].brand)  
console.log("Model:", phones[1].model)  
console.log("Price:", phones[1].price)

console.log("Phone brand:", phones[2].brand)  
console.log("Model:", phones[2].model)  
console.log("Price:", phones[2].price)

let restaurants = [  
{name: "Ocean Breeze", cuisine: "Seafood", rating: 4.8},  
{name: "Taco Town", cuisine: "Mexican", rating: 4.4},  
{name: "Burger Haven", cuisine: "American", rating: 4.6}  
]  
console.log("Restaurant name:", restaurants[0].name)  
console.log("Cuisine:", restaurants[0].cuisine)  
console.log("Rating:", restaurants[0].rating)

console.log("Restaurant name:", restaurants[1].name)  
console.log("Cuisine:", restaurants[1].cuisine)  
console.log("Rating:", restaurants[1].rating)

console.log("Restaurant name:", restaurants[2].name)  
console.log("Cuisine:", restaurants[2].cuisine)  
console.log("Rating:", restaurants[2].rating)

let schools = [  
{name: "Blue Star School", city: "Coimbatore", students: 1100},  
{name: "Silver Oak Academy", city: "Hyderabad", students: 950},  
{name: "Hill View High", city: "Mumbai", students: 1350}  
]  
console.log("School name:", schools[0].name)  
console.log("City:", schools[0].city)  
console.log("Students:", schools[0].students)

console.log("School name:", schools[1].name)  
console.log("City:", schools[1].city)  
console.log("Students:", schools[1].students)

console.log("School name:", schools[2].name)  
console.log("City:", schools[2].city)  
console.log("Students:", schools[2].students)

let employees = [  
{name: "Arun", department: "Sales", salary: 40000},  
{name: "Deepa", department: "Marketing", salary: 55000},  
{name: "Suresh", department: "Operations", salary: 60000}  
]  
console.log("Employee name:", employees[0].name)  
console.log("Department:", employees[0].department)  
console.log("Salary:", employees[0].salary)

console.log("Employee name:", employees[1].name)  
console.log("Department:", employees[1].department)  
console.log("Salary:", employees[1].salary)

console.log("Employee name:", employees[2].name)  
console.log("Department:", employees[2].department)  
console.log("Salary:", employees[2].salary)

let countries = [  
{name: "Germany", capital: "Berlin", population: 83000000},  
{name: "Canada", capital: "Ottawa", population: 39000000},  
{name: "Australia", capital: "Canberra", population: 26000000}  
]  
console.log("Country name:", countries[0].name)  
console.log("Capital:", countries[0].capital)  
console.log("Population:", countries[0].population)

console.log("Country name:", countries[1].name)  
console.log("Capital:", countries[1].capital)  
console.log("Population:", countries[1].population)

console.log("Country name:", countries[2].name)  
console.log("Capital:", countries[2].capital)  
console.log("Population:", countries[2].population)

let sports = [  
{name: "Tennis", players: 2, origin: "France"},  
{name: "Hockey", players: 11, origin: "Canada"},  
{name: "Volleyball", players: 6, origin: "USA"}  
]  
console.log("Sport name:", sports[0].name)  
console.log("Players:", sports[0].players)  
console.log("Origin:", sports[0].origin)

console.log("Sport name:", sports[1].name)  
console.log("Players:", sports[1].players)  
console.log("Origin:", sports[1].origin)

console.log("Sport name:", sports[2].name)  
console.log("Players:", sports[2].players)  
console.log("Origin:", sports[2].origin)

let songs = [  
{title: "Perfect", singer: "Ed Sheeran", year: 2017},  
{title: "Peaches", singer: "Justin Bieber", year: 2021},  
{title: "Levitating", singer: "Dua Lipa", year: 2020}  
]  
console.log("Song title:", songs[0].title)  
console.log("Singer:", songs[0].singer)  
console.log("Year:", songs[0].year)

console.log("Song title:", songs[1].title)  
console.log("Singer:", songs[1].singer)  
console.log("Year:", songs[1].year)

console.log("Song title:", songs[2].title)  
console.log("Singer:", songs[2].singer)  
console.log("Year:", songs[2].year)

function add(){

}

function multible(){

}

function subtract(){

}

function division(){

}

function square(){

}

function cube(){

}

function sla(){

}

function frontend(){

}

function backend(){

}

function login(){

}

function signin(){

}

function addtocart(){

}

const wish\_list = function(){

}

const pre\_order = function(){

}

const door\_open = function(){

}

const text\_validation = function(){

}

const email\_validation = function(){

}

const fan\_moving = function(){

}

const square\_root = function(){

}

const square\_number = function(){

}

const create\_card = function(){

}

const update\_card = function(){

}

const read\_card = function(){

}

const delete\_card = function(){

}

function add(x, y) {  
 console.log("Sum of", x, "+", y, "=", x + y);  
}  
add(12, 8);

function subtract(p, q) {  
 console.log("Difference between", p, "-", q, "=", p - q);  
}  
subtract(45, 23);

function bookDetails(title, writer) {  
 console.log("Book Name:", title, "| Written by:", writer);  
}  
bookDetails("The Silent River", "Arun Dev");

function multiply(a, b) {  
 console.log("Product of", a, "and", b, "=", a \* b);  
}  
multiply(7, 6);

function divide(num1, num2) {  
 console.log("Result of", num1, "/", num2, "=", num1 / num2);  
}  
divide(50, 10);

function signup(message) {  
 console.log(message);  
}  
signup("Signup completed successfully!");

function loginStatus(status) {  
 console.log(status);  
}  
loginStatus("User logged in successfully!");

function sendMessage(text) {  
 console.log(text);  
}  
sendMessage("Hi there! Hope you're doing great.");

function startCourse(courseName) {  
 console.log("Enrolled in:", courseName);  
}  
startCourse("Data Science Bootcamp");

function formSubmit(response) {  
 console.log(response);  
}  
formSubmit("Your form has been submitted successfully!");

function addToWishlist(note) {  
 console.log(note);  
}  
addToWishlist("Item saved to your wishlist.");

function generateOrderID(code) {  
 console.log("Order ID created successfully:", code);  
}  
generateOrderID("ORD78654XYZ");