

- 1- Create a JavaScript program to define an object representing a car with properties like brand, model, and year, and a method to display its details.
- 2- Write a program to loop through all the properties of an object and log their keys and values.
- 3- Create a function that accepts an object and returns a new object with the keys and values swapped.
- 4- Write a program to create a "person" object that includes nested objects for "address" and "job", and a method to display all details.
- 5- Write a program to sort an array of objects by a specific property, such as age in an array of people objects.
- 6- Create a JavaScript program to find the maximum and minimum numbers in an array.
- 7- Create a program to reverse an array without using the built-in reverse() method.
- 8- Write a program that accepts an array of objects (e.g., products with name and price) and returns an array of objects where each product has a discountedPrice property.
- 9- Make a function that takes date string as a parameter, and returns the Day name (Saturday, Sunday,...) of the given date **using array**.
- 10- Ask the user through prompt to enter number like 1,6,5,9,1,2  
Then ask the user through prompt to enter number like 5,6,3,1,9  
merge two arrays and remove duplicate items and display new array don't use set

## 11- Create phone book app

Ask the user for operation through JS prompt

If user enters “add”

Ask him for the name of the contact and phone number

Then create js object for that contact and add it to contacts array

Then ask him for new operation and repeat

If user enters “search”

Ask him for something to search for

Get the user input and search in the contacts array in name and phone

Then show the user the full details of that contact

Then ask him for new operation and repeat

**Bonas**

## 12- Develop a program to merge two objects into one and handle property conflicts by appending \_1 to duplicate keys.