

- 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- Develop a program to merge two objects into one and handle property conflicts by appending _1 to duplicate keys.
- 5- Write a program to create a "person" object that includes nested objects for "address" and "job", and a method to display all details.
- 6- Write a program to sort an array of objects by a specific property, such as age in an array of people objects.
- 7- Create a JavaScript program to find the maximum and minimum numbers in an array.
- 8- Create a program to reverse an array without using the built-in reverse() method.
- 9- Create function
User will enter first number Then enter an operation (sum ,multi ,subtract ,division) as string Then enter second number Then do the operation and show the result to user
- 10- Create function User will enter his Username , Password If username = “admin” and password = “421\$\$” Show him message “Welcome login success”
If he entered incorrect username or password Tell him which data entered wrong
- 11- write a JavaScript function where the user has to guess a number generated by a program.
Ask the user to enter number between 0 and 9
Crate a function to generate a random number between 0 and 9
If the user enter a correct number show, You guessed the correct number.
- 12- 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.
- 13- Show prompt that ask user to enter his birth date and tell user to enter the date in the following format (DD – MM – YYYY) ex. 22–01–1999, and then create function that take user input as a parameter and ensure that the string is entered in this format (that user

entered string is 10 characters and contains (-) after the second character and after fifth character

If the user input was correct: make the function create new date object, and initialize it with Day, Month, year values (using date constructor: Date(y,m,d)) and then show alert to the user with the date in date string format.

If user input wasn't correct, show alert saying "Wong Date Format".

14- Make a function that takes date string as a parameter, and returns the Day name (Saturday, Sunday,...) of the given date.

15- 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