JS-A2#2

Task 1	Watch the lesson video carefully twice (at least). Then answer the following a. Do all the questions solved in the video i. Create JSON for each employee ii. Create JSON for the company iii. Update JSON with new employee iv. Calculate total salary bill v. Revise salaries of employees vi. Add work from home (wfh) b. What is JSON. Explain with an example. c. Explain the JSON syntax rules.

Task 2	Define a JSON with the following : name : Mark email : mark@email.com salary : 80000 Display the JSON on the console.

Task 3.1	Define a JSON and display it billid : 45661 amount : 2500
Task 3.2	Modify the above JSON by changing its amount to 2700. Display it.

Task 4	Define 2 JSONs as {"billid":401, "amount":200} and {"billid":402, "amount":500} Use the JSONs to calculate and display the sum of the amount of the bills.

Task 5	Define an empty JSON and then add the following to it id : EMP1223 email : emp1223@email.com company : EMP Inc. Display the details of the JSON

Task 6.1	In a shop there are 3 products with the code as PX101, PX102 and PX103. In the shop the stock of the 3 products are 15, 24 and 33. The price of each product is 30, 20 and 10. Create 3 JSON's representing each product. The JSON should have the code, stock and price. Display the JSON's.
Task 6.2	Create a JSON representing the shop which has a field named products having an array with the 3 product JSON's. Display it.
Task 6.3	Using the shop JSON calculate totalStockQty. Add this field to the shop JSON. Display it.
Task 6.4	Create a new product PX104 with stock as 10 and price as 40. Create a JSON and add it to the shop. Also re-compute and update totalStockQty.
Task 6.5	The prices of some products have to be increased by 10%. An array with the names of the products whose price is increased is provided. Using this array, update the JSON of the shop.

JS-A2#2

Task 7.1	Create an array of JSON's having the performance of students in the exams. Mark scored 80, 75 and 63 in Maths, English and Science. Bob scored 90, 81 and 88 in Maths, English and Science. Julia scored 88, 87 and 89 in Maths, English and Science. Anthony scored 60, 64 and 61 in Maths, English and Science.
Task 7.2	The marks of Computers have just been released. They are provided as [{name:'Mark', Computers:90}, {name: 'Anthony', Computers:70}, {name: 'Julia', Computers:88}, {name: 'Bob', Computers:81}] Update the array created in Task 7.1 and add the field Computers to each JSON.
Task 7.3	Update the array to add a field totalMarks to each JSON in the array.
Task 7.4	Create a new array of JSON with the fields name, avgMarks and maxMarks. avgMarks is the average maks of the student. maxMarks is the maximum marks obtained by the student in any subject.
Task 7.5	Bob has left the school. Find the JSON corresponding to Bob and use splice to remove it from the array.