JavaScript Assignment 12

1. Write a JavaScript program to map Employee Records according to Employee IDs.
   Employee: { id, name, salary }

   a) Print an array of all employee ids
   b) Print count of employees
   c) Print the name of the employee according to their id { key: value }
   d) Store the salaries of all employees in an array
   e) Calculate the average salary the company is paying to its employees

   Sample Input:

   > "id": [67, 48, 29]
   > "name": ["Hitanshu", "Ninad", "Amandeep"]
   > "salary": [75000, 82000, 98000]

   Output:

   [67, 48, 29]
   3
   67: Hitanshu
   48: Ninad
   29: Amandeep
   [75000, 82000, 98000]
   85000

2. Write a program in JavaScript to map the student ids, names and scores.

   a) Add data for 3 students (use map functions)
   b) Get Student Names using map functions
   c) Delete Student Scores using map functions

d) Display 1 parameter (only value), 2 parameters (value + key), and 3
parameters (value + key + map) for the student
Sample Input:

    "id": [1, 2, 3]
    "name": ['Hitanshu', 'Ninad', 'Amandeep']
    "scores": [90, 88, 92]

Output:

['Hitanshu', 'Ninad', 'Amandeep']
-----one parameter-----
[1, 2, 3]
['Hitanshu', 'Ninad', 'Amandeep']
[90, 88, 92]
-----two parameter-----
id 1, 2, 3
name Hitanshu,Ninad,Amandeep
scores 90,88,92
-----three parameter-----
id 1, 2, 3
Map(3) {
  'id' => [67, 48, 29],
  'name' => ['Hitanshu', 'Ninad', 'Amandeep'],
  'scores' => [90, 88, 92]
}
name Hitanshu,Ninad,Amandeep
Map(3) {
  'id' => [1, 2, 3],
  'name' => ['Hitanshu', 'Ninad', 'Amandeep'],
  'scores' => [90, 88, 92]
}
scores 90,88,92
Map(3) {
  'id' => [1, 2, 3],
  'name' => ['Hitanshu', 'Ninad', 'Amandeep'],
  'scores' => [90, 88, 92]
}

3. Write a JavaScript program to iterate over an array inputted by the user using mapping. Perform the square of all elements in the original array, store the squares in a new array and make a mapping for the squares and display it.

Sample Input:
[1, 2, 3, 4, 5]

Explanation:
Original Array = [1, 2, 3, 4, 5]
New Array = [1, 4, 9, 16, 25]
Mapping = squares => [1, 4, 9, 16, 25]

Output:
[1, 4, 9, 16, 25]