JavaScript Assignment 13

1. Write a JavaScript program to get an array from the user and return the:

    a) Sum of all elements in the array using reduce()
    b) Average of all elements in the array using reduce()

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

    Output:
     15
     3

2. Write a JavaScript program to
    a) Calculate grades on basis of marks
            >90 = A
            >80 = B
            >70 = C
            >60 = D
            >50 = E
            else = F
    b) Map the grades of each student
    c) Group students according to the grades they have received and display.

    Sample Input:
    let students = [
      { name: "John", marks: "92" },
      { name: "Oliver", marks: "85" },
      { name: "Michael", marks: "79" },
      { name: "Dwight", marks: "95"},
      { name: "Oscar", marks: "64" },
      { name: "Kevin", marks: "48" },
    ];

    Output:

```
{
  'A': [ { name: "John", grade: "A" },
         { name: "Dwight", grade: "A" } ],
  'B': [ { name: "Oliver", grade: "B" } ],
  'C': [ { name: "Michael", grade: "C" } ],
  'D': [ { name: "Oscar", grade: "D" } ],
  'E': [ ],
  'F': [ { name: "Kevin", grade: "F" } ],
}
```