Node.JS

Ex 0 – ES6

1. You have the following array of arrays : [[1,6,3,9],[6,12,5,21],[4,11,23,1]
   - Create a function that receives that array, and returns an array of the biggest numbers from all the inner arrays. Use MAP only.
   - From the array of he biggest numbers, print only those who are between 10 and 20

2. For the following array :
   ['Ronen','Avi','Ronit','Ehud','Itamar']-
   Write a lambda expression calculate the length of each string in the array , print only those that higher then 4 and print their Sum

   Use : map , filter & reduce !

3. Create the classes :
   Person:
   Data Members:
   - name
   - Id

   Functions:

   - printData - will print the person's data

   Student (Inherits from Person):
   Data Members:
   - grades (an array of numbers. **It's max capacity will be passed on the constructor)**

   Functions:

- printData (will print all the students's data)
- addGrade – will receive a new grade and add it to the grades array **ONLY if there is a space left**
- getAvg – will returns the student's grades average

School:

Data Members:
- students (an array of Students objects

Functions:

- addStudent - will add a new student ONLY if he's not registered yet(check by his id)

- printExcellentStudent – Will print the data of the student with the highest average.