

## NODEJS, MONGODB & Express Assignment (Duration 1Hour)

- You have to use nodejs native mongodb driver and not mongoose. npm mongodb
- You have to submit apis as well as raw mongodb queries for below tasks.
- All tasks have to be achieved through queries and not by processing them in nodejs. ie. api has to just query mondodb and return response without any computation using nodejs.

**TASK1:** Create GET api to fetch authors who have greater than or equal to n awards

**Input:** Create GET api which accepts **n**, where **n** is number of awards.

Output: Return authors who has got total number of awards >= n

**TASK2:** Create GET api to fetch authors who have won award where year >= y

**Input**: create GET api which accepts **y**, where **y** is number

Output: return authors who has won awards year >= y

**TASK3:** Create GET api to fetch total number of books sold and total profit by each author.

## Use Aggregate pipeline

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**TASK4:** Create GET api which accepts parameter birthDate and totalPrice, where birthDate is date string and totalPrice is number. Use Aggregate pipeline

**Output:** authors whose birth date >= birthDate and sum of all his books price >= totalPrice Example1:

```
Input: if input birthDate = "1906-12-09T05:00:00.000Z" and totalPrice = 7000
       Output:
                     [{
                            "_id": ObjectId("5ee24e55c444cc62db562634"),
                            "totalPrice": 8000.0
                     }]
Example2:
       Input: if input birthDate = "1906-12-09T05:00:00.000Z" and totalPrice = 2000
       Output:
              [
                     {
                            "_id" : ObjectId("5ee24e55c444cc62db56262f"),
                            "totalPrice": 2500.0
                     },
                     {
                            " id": ObjectId("5ee24e55c444cc62db562631"),
                            "totalPrice": 2500.0
                     },
                     {
                            "_id": ObjectId("5ee24e55c444cc62db562634"),
                            "totalPrice": 8000.0
                     }
              ]
```