Practical No. 8

Study of MongoDB

Perform following problem statements using MongoDB

Problem Statement 1:

- Create a collection in MongoDB:

```
# Create Collection
db.student.insertMany([
    {
        _id: 1,
        firstName: "Candice",
        lastName: "Mark",
        age: 22,
        projectMarks: 99,
        examsMarks: 70,
        assignmentMarks: 10,
        status:[{
        "course": "Python", "batch": 2023}]
    },
    {
         _id: 2,
        firstName: "Dave",
        lastName: "James",
        age: 21,
        projectMarks: 99,
        examsMarks: 70,
        assignmentMarks: 10,
        status:[{
        "course": "MongoDB", "batch": 2023}]
    },
    {
        _id: 3,
        firstName: "Ivan",
        lastName: "Seth",
        age: 24,
        projectMarks: 99,
        examsMarks: 70,
        assignmentMarks: 10,
        status:[{
        "course": "Java", "batch": 2022}]
    }
])
```

- Perform following operations on it:
    - Group by a Single Field in MongoDB.
    - Group by Multiple Fields in MongoDB
    - Group by the Multiple Expressions
    - Group by the Conditional Statements in MongoDB
    - Group by a Nested Field in MongoDB

Refer this for your reference
MongoDB Group by Multiple Fields - Spark By {Examples} (sparkbyexamples.com)

Note:

1. Create a **document** of the above website with screenshots.
2. Scan the document and **create a pdf file** with **"ExamSeatNum_P#PS#" as its name**.
3. Upload the file on the **WCE Moodle** before the given deadline.