## **Group B**

## **Assignment 3**

Problem Statement : Implement Map reduces operation with suitable example using MongoDB.

```
test> use Pratik
switched to db Pratik
Pratik> db.createCollection("Journal");
{ ok: 1 }
Pratik>
db.Journal.insert({'book id':1,'book name':'JavacdOOP','amt':500,'status'
:'Available'});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne,
insertMany, or bulkWrite.
  acknowledged: true,
  insertedIds: { '0': ObjectId('66f2eac600224c6dd9c73bfc') }
}
Pratik>
db.Journal.insertOne({'book id':1,'book name':'JavaOOP','amt':400,'status
':'Not available'});
  acknowledged: true,
  insertedId: ObjectId('66f2eb2d00224c6dd9c73bfd')
Pratik>
db.Journal.insertOne({'book id':1,'book name':'Java','amt':300,'status':'
Not available' });
  acknowledged: true,
  insertedId: ObjectId('66f2eb4600224c6dd9c73bfe')
db.Journal.insertOne({'book_id':2,'book_name':'Java','amt':300,'status':'
Available' });
  acknowledged: true,
  insertedId: ObjectId('66f2eb6600224c6dd9c73bff')
Pratik>
db.Journal.insertOne({'book id':2,'book name':'OOP','amt':200,'status':'A
vailable'});
  acknowledged: true,
  insertedId: ObjectId('66f2ebe300224c6dd9c73c00')
Pratik>
db.Journal.insertOne({'book_id':2,'book_name':'C+','amt':200,'status':'Av
ailable'});
 acknowledged: true,
  insertedId: ObjectId('66f2ec0800224c6dd9c73c01')
Pratik>
db.Journal.insertOne({'book id':3,'book name':'C+','amt':150,'status':'Av
ailable'});
  acknowledged: true,
  insertedId: ObjectId('66f2ec2e00224c6dd9c73c02')
```

```
Pratik>
db.Journal.insertOne({'book id':3,'book name':'C++','amt':200,'status':'N
ot available' });
  acknowledged: true,
  insertedId: ObjectId('66f2ec5e00224c6dd9c73c03')
Pratik> db.Journal.insertOne({'book id':4,'book name':'OOP
C++','amt':300,'status':'Not available'});
  acknowledged: true,
  insertedId: ObjectId('66f2ec7d00224c6dd9c73c04')
Pratik> db.Journal.insertOne({'book_id':5,'book_name':'OOP
C++','amt':400,'status':'Available'});
  acknowledged: true,
  insertedId: ObjectId('66f2eca300224c6dd9c73c05')
db.Journal.insertOne({'book id':5,'book name':'C++','amt':400,'status':'A
vailable'});
  acknowledged: true,
  insertedId: ObjectId('66f2ed9300224c6dd9c73c06')
Pratik> db.Journal.insertOne({'book id':5,'book name':'C++
Java', 'amt':400, 'status': 'not available'});
  acknowledged: true,
  insertedId: ObjectId('66f2edb800224c6dd9c73c07')
Pratik> db.Journal.find();
Γ
     id: ObjectId('66f2eac600224c6dd9c73bfc'),
    book id: 1,
    book name: 'JavacdOOP',
    amt: 500,
    status: 'Available'
  },
  {
     id: ObjectId('66f2eb2d00224c6dd9c73bfd'),
    book id: 1,
   book name: 'JavaOOP',
    amt: 400,
    status: 'Not available'
  },
     _id: ObjectId('66f2eb4600224c6dd9c73bfe'),
    book id: 1,
    book name: 'Java',
    amt: 300,
    status: 'Not available'
  },
    _id: ObjectId('66f2eb6600224c6dd9c73bff'),
    book_id: 2,
    book_name: 'Java',
    amt: 300,
    status: 'Available'
```

```
},
   id: ObjectId('66f2ebe300224c6dd9c73c00'),
  book id: 2,
  book_name: 'OOP',
  amt: 200,
  status: 'Available'
},
{
   id: ObjectId('66f2ec0800224c6dd9c73c01'),
  book id: 2,
  book_name: 'C+',
  amt: 200,
  status: 'Available'
},
   id: ObjectId('66f2ec2e00224c6dd9c73c02'),
  book id: 3,
  book name: 'C+',
  amt: 150,
  status: 'Available'
},
  _id: ObjectId('66f2ec5e00224c6dd9c73c03'),
  book_id: 3,
  book name: 'C++',
  amt: 200,
  status: 'Not available'
},
{
   id: ObjectId('66f2ec7d00224c6dd9c73c04'),
  book id: 4,
  book_name: 'OOP C++',
  amt: 300,
  status: 'Not available'
},
{
   id: ObjectId('66f2eca300224c6dd9c73c05'),
  \overline{b}ook id: 5,
  book_name: 'OOP C++',
  amt: 400,
  status: 'Available'
},
   id: ObjectId('66f2ed9300224c6dd9c73c06'),
  book id: 5,
  book_name: 'C++',
  amt: 400,
  status: 'Available'
},
{
   id: ObjectId('66f2edb800224c6dd9c73c07'),
  book id: 5,
  book name: 'C++ Java',
  amt: 400,
  status: 'not available'
```

]