

ADBMS ASSIGN 1

PROBLEM STATEMENT 2

```
dit@dit-OptiPlex-5070:~$ mongosh
Current Mongosh Log ID: 66a9ca54620f3a6467a5bb8c
Connecting to: mongodb://127.0.0.1:27017/?
directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.11
Using MongoDB: 7.0.12
Using Mongosh: 2.2.11
mongosh 2.2.12 is available for download: https://www.mongodb.com/try/download/shell
```

For mongosh info see: <https://docs.mongodb.com/mongodb-shell/>

```
-----
The server generated these startup warnings when booting
2024-07-31T10:49:44.981+05:30: Using the XFS filesystem is strongly recommended with the
WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2024-07-31T10:49:46.669+05:30: Access control is not enabled for the database. Read and write
access to data and configuration is unrestricted
2024-07-31T10:49:46.670+05:30: vm.max_map_count is too low
-----
```

```
test> db
test
test> use placementsDB
switched to db placementsDB
placementsDB> db.createCollection("PLACEMENTS")
{ ok: 1 }
placementsDB> db.PLACEMENTS.insertMany([{ name:"Suraj", company:"TCS",
... designation:"Software Engineer", salary:6, graduated: 2023},{ name:"Radha",
company:"Infosys",
... designation:"Software Tester", salary:5, graduated: 2023},{ name:"Gopal", company:"Google",
... designation:"Network Engineer", salary:33, graduated: 2016},{ name:"Ram", company:"Wipro",
... designation:"System Engineer", salary:10, graduated: 2020},{ name:"Geeta", company:"SONY",
... designation:"Data Analyst", salary:8, graduated: 2018}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('66a9caf2620f3a6467a5bb8d'),
    '1': ObjectId('66a9caf2620f3a6467a5bb8e'),
    '2': ObjectId('66a9caf2620f3a6467a5bb8f'),
    '3': ObjectId('66a9caf2620f3a6467a5bb90'),
    '4': ObjectId('66a9caf2620f3a6467a5bb91')
  }
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
```

```

    salary: 6,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8e'),
    name: 'Radha',
    company: 'Infosys',
    designation: 'Software Tester',
    salary: 5,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb90'),
    name: 'Ram',
    company: 'Wipro',
    designation: 'System Engineer',
    salary: 10,
    graduated: 2020
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Data Analyst',
    salary: 8,
    graduated: 2018
  }
]
placementsDB> db.PLACEMENTS.insert({ name:"Seema", company:"Capgemini",
... designation:"Cyber security analyst", salary:9, graduated: 2022})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('66a9cb16620f3a6467a5bb92') }
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 6,
    graduated: 2023
  }
]

```

```

    },
    {
      _id: ObjectId('66a9caf2620f3a6467a5bb8e'),
      name: 'Radha',
      company: 'Infosys',
      designation: 'Software Tester',
      salary: 5,
      graduated: 2023
    },
    {
      _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
      name: 'Gopal',
      company: 'Google',
      designation: 'Network Engineer',
      salary: 33,
      graduated: 2016
    },
    {
      _id: ObjectId('66a9caf2620f3a6467a5bb90'),
      name: 'Ram',
      company: 'Wipro',
      designation: 'System Engineer',
      salary: 10,
      graduated: 2020
    },
    {
      _id: ObjectId('66a9caf2620f3a6467a5bb91'),
      name: 'Geeta',
      company: 'SONY',
      designation: 'Data Analyst',
      salary: 8,
      graduated: 2018
    },
    {
      _id: ObjectId('66a9cb16620f3a6467a5bb92'),
      name: 'Seema',
      company: 'Capgemini',
      designation: 'Cyber security analyst',
      salary: 9,
      graduated: 2022
    }
  ]
placementsDB> db.PLACEMENTS.deleteOne({name:"Ram"})
{ acknowledged: true, deletedCount: 1 }
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 6,

```

```

    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8e'),
    name: 'Radha',
    company: 'Infosys',
    designation: 'Software Tester',
    salary: 5,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Data Analyst',
    salary: 8,
    graduated: 2018
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022
  }
]
placementsDB> db.PLACEMENTS.deleteMany({salary:{<6}})
{ acknowledged: true, deletedCount: 1 }
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 6,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',

```

```

    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Data Analyst',
    salary: 8,
    graduated: 2018
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022
  }
]
placementsDB> db.PLACEMENTS.update({name:"Geeta"},{$set:{designation:"Senior Data Analyst",salary:9}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 6,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',

```

```

    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022
  }
]
placementsDB> db.PLACEMENTS.update({name:"Suraj"},{$set:{salary:7}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',

```

```

    salary: 9,
    graduated: 2022
  }
]
placementsDB> db.PLACEMENTS.update({name:"Reema"},{$set:
{name:"Reema",company:"Reliance",designation:"Manager",salary:22,graduated:2011}},
{upsert:true})
{
  acknowledged: true,
  insertedId: ObjectId('66a9d28fdfeb42e01ed1f123'),
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',

```

```

    designation: 'Manager',
    graduated: 2011,
    salary: 22
  }
]
placementsDB> db.PLACEMENTS.updateMany({salary:{$gt:7}},{$set:{highsalary:"true"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'SONY',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),

```



```

    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.update({name:"Geeta"},{$set:{company:"Cisco"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
placementsDB> db.PLACEMENTS.find()
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  }
]

```

```

},
{
  _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
  name: 'Reema',
  company: 'Reliance',
  designation: 'Manager',
  graduated: 2011,
  salary: 22,
  highsalary: 'true'
}
]
placementsDB> db.PLACEMENTS.find({name:"Gopal"})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({salary:{$gt:6}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {

```

```

    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({$or:[{name:"Geeta"},{graduated:2023}]})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({salary:{$gte:7}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',

```

```

    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({salary:{$ne:7}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  }
]

```

```

},
{
  _id: ObjectId('66a9cb16620f3a6467a5bb92'),
  name: 'Seema',
  company: 'Capgemini',
  designation: 'Cyber security analyst',
  salary: 9,
  graduated: 2022,
  highsalary: 'true'
},
{
  _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
  name: 'Reema',
  company: 'Reliance',
  designation: 'Manager',
  graduated: 2011,
  salary: 22,
  highsalary: 'true'
}
]
placementsDB> db.PLACEMENTS.find({designation:{$exists:false}})

placementsDB> db.PLACEMENTS.find({designation:{$exists:true}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),

```

```

    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({company:{$regex:"o"}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({company:{$regex:"o$"}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({company:{$regex:"^R"}})
[

```

```

{
  _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
  name: 'Reema',
  company: 'Reliance',
  designation: 'Manager',
  graduated: 2011,
  salary: 22,
  highsalary: 'true'
}
]
placementsDB> db.PLACEMENTS.find({designation:{$regex:"network engineer",
$options:"i"}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find({$where:function(){return this.salary>6;}})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {

```

```

    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find().limit(2)
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find().skip(1)
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',

```



```

    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB> db.PLACEMENTS.find().sort({salary:-1})
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb91'),
    name: 'Geeta',
    company: 'Cisco',
    designation: 'Senior Data Analyst',
    salary: 9,
    graduated: 2018,

```

```

    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9cb16620f3a6467a5bb92'),
    name: 'Seema',
    company: 'Capgemini',
    designation: 'Cyber security analyst',
    salary: 9,
    graduated: 2022,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8d'),
    name: 'Suraj',
    company: 'TCS',
    designation: 'Software Engineer',
    salary: 7,
    graduated: 2023
  }
]
placementsDB> db.PLACEMENTS.find({salary:{$gt:5}}).sort({"name":1}).skip(1).limit(2)
[
  {
    _id: ObjectId('66a9caf2620f3a6467a5bb8f'),
    name: 'Gopal',
    company: 'Google',
    designation: 'Network Engineer',
    salary: 33,
    graduated: 2016,
    highsalary: 'true'
  },
  {
    _id: ObjectId('66a9d28fdfeb42e01ed1f123'),
    name: 'Reema',
    company: 'Reliance',
    designation: 'Manager',
    graduated: 2011,
    salary: 22,
    highsalary: 'true'
  }
]
placementsDB>

```