

MONGODB TASKS

Task 1 :

ProfileData (Database) profilecollection

EmpID	Name	Age	Salary	Designation	Email	Location	Phone
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Tasks : (create the Database with Name Profiledata)

- 1. Put 5 documents inside the profile collection**
- 2. Show All records of the Profile Collection**
- 3. Show the All Databases inside the MongoDB**
- 4. Show all the collection inside the PProfiledata**
- 5. Show the current database that you are using**

TASK 2:

1. Show the Record where name="Amit"
2. Show the all records where location="mumbai"
3. Display people whose age is less than 25.
4. Display the document where salary<20000 & Designation is Developer
5. Display the document where salary between 20000 and 50000 and location is Pune

Task 3

1. selects all documents from the ProfileCollection where the age is greater than 50
2. selects all documents from the ProfileCollection where Location equals either "Mumbai" or "Pune"
(Do this task without using "in")
3. selects all documents from the ProfileCollection where Location
equals either "Mumbai" or "Pune" (Do this task using "in")

4. selects all documents from the ProfileCollection where Location not equal either "Mumbai" or "Pune"
(Do this task using "in")
5. selects all documents from the ProfileCollection where the location equals "Bangalore" and age is less than 50
6. selects all documents in the Profilecollection where the Designation equals "Developer" and either salary is less than 40000 or name starts with the character p

```
//Creating Database
use exampledatabase

// creating non capped collection (Table)
db.createCollection("ExampleCollection")

//Show the Current Database
db

//Insert the Data in the ExampleCollection
db.examplecollection.insert
(
{EmpID : "E001", Name: "Amit Kumar", Age : 30, Salary : 50000, Designation :
"Developer", Email : "Amit.kumar@gmail.com", Location:"Mumbai", Phone: 53454455})

// insert multiple documents (record) inside the ExampleCollection as an array
db.examplecollection.insert
```

```
([
{EmpID : "E002", Name: "Neha", Age : 34, Salary : 30000, Designation : "Designer",
Email : "neha@gmail.com", Location:"Mumbai", Phone: 54355533},
{EmpID : "E003", Name: "Raj Kishore", Age : 35, Salary : 90000, Designation : "DevOps
Engineer", Email : "Raj@gmail.com", Location:"Pune", Phone: 645656},
{EmpID : "E004", Name: "Rupal", Age : 25, Salary : 40000, Designation : "Developer",
Email : "rupal@gmail.com", Location:"Bangalore", Phone: 53454455},
{EmpID : "E005", Name: "Pankaj Singh", Age : 25, Salary : 45000, Designation :
"Manager", Email : "panjkaj@gmail.com", Location:"Bangalore", Phone: 444455}
])
```

```
// Showing the insertefd data inside the ExmpleCollection
```

```
db.examplecollection.find()
```

```
// Showing the documents as Pretty Format
```

```
db.examplecollection.find().pretty()
```

```
// show all databases inside the Mongodb
```

```
show dbs
```

```
// Show all the Collections inside the current database
```

```
show collections
```

```
// Show the record (documents) where name="Amit Kumar" Note : NoSQL (MongoDb) is case sensitive
```

```
db.examplecollection.find({Name:"Amit Kumar"})
```

```
// Show all records where location is Mumbai
```

```
db.examplecollection.find( {Location : "Mumbai"})
```

```
// Display people from the collection examplecollection whose age is less than 40
```

```
db.examplecollection.find( {Age: {$lt: 40} })
```

```
//Display the document where salary<40000 & Designation is Developer
```

```
db.examplecollection.find( { Designation: "Developer", Salary: { $lt: 45000 } } )
```

```
//Display the document where salary between 20000 and 50000 and and location is Mumbai
```

```
db.examplecollection.find( {Salary: { $gt : 20000, $lt:50000 }, Location:"Mumbai" } )
```

```
//task 3
```

```
// selects all documents from the examplecollection where the age is greater then 30
db.examplecollection.find( {Age: { $gt : 30}})
```

```
//selects all documents from the examplecollection where Location equals either
"Mumbai" or "Pune"
```

```
//      ( Do this task without using "in")
```

```
db.examplecollection.find( { $or: [ { Location:"Mumbai"}, { Location: "Pune" } ] }
)
```

```
//selects all documents from the examplecollection where Location equals either
"Mumbai" or "Pune" (Do this task using "in")
```

```
db.examplecollection.find( { Location: { $in: [ "Mumbai", "Pune" ] } } )
```

```
//selects all documents from the examplecollection where Location not equal either
"Mumbai" or "Pune"      (Do this task using "in")
```

```
db.examplecollection.find( { Location: { $nin: [ "Mumbai", "Pune" ] } } )
```

```
// . select all documents from the examplecollection where the location equals
"Bangalore" and age is less than 50
```

```
db.examplecollection.find( { Location: "Bangalore", Age: { $lt: 50 } } )
```

```
//selects all documents in the examplecollection where the Designation equals
"Developer" and either salary is less than 40000 or name starts with the character p
```

```
db.examplecollection.find( { Name: /^P/ } )
```