

## **MongoDB LAB Program 2**

**Consider the following restaurant database with the following attributes – Name, address –(building, street, area, pincode),id, cuisine, nearby landmarks, online delivery- yes/no, famous for(name of the dish)**

**Create 10 documents with data relevant to the following questions.**

**Write and execute MongoDB queries:**

- 1. List the name and address of all restaurants in Bangalore with Italian cuisine**
- 2. List the name, address and nearby landmarks of all restaurants in Bangalore where north Indian thali(cuisine) is available.**
- 3. List the name, address and nearby landmarks of all restaurants in Bangalore where north Indian thali(cuisine) is available**
- 4. List the name and address of restaurants and also the dish the restaurant is famous for, in Bangalore.**

**Insertion of Data Documents for the restaurant Collection**

```
db.restaurants.insertMany([  
  {  
    "name": "Bella Italia",  
    "address": {  
      "building": "123",
```

```
        "street": "MG Road",
        "area": "Indiranagar",
        "pincode": "560038"
    },
    "id": "R001",
    "cuisine": "Italian",
    "nearby_landmarks": ["UB City", "Cubbon Park"],
    "online_delivery": "yes",
    "famous_for": "Pasta Carbonara"
},
{
    "name": "Tandoori Flame",
    "address": {
        "building": "45",
        "street": "Church Street",
        "area": "MG Road",
        "pincode": "560001"
    },
    "id": "R002",
    "cuisine": "North Indian",
    "nearby_landmarks": ["Bangalore Palace", "Vidhana Soudha"],
    "online_delivery": "no",
    "famous_for": "North Indian Thali"
},
```

```
{  
  "name": "Spicy Treats",  
  "address": {  
    "building": "22",  
    "street": "HSR Layout",  
    "area": "Bangalore South",  
    "pincode": "560102"  
  },  
  "id": "R003",  
  "cuisine": "Indian",  
  "nearby_landmarks": ["Agara Lake", "Bangalore IT Park"],  
  "online_delivery": "yes",  
  "famous_for": "Paneer Tikka"  
},  
{  
  "name": "Pasta & More",  
  "address": {  
    "building": "80",  
    "street": "Koramangala",  
    "area": "Bangalore South",  
    "pincode": "560034"  
  },  
  "id": "R004",  
  "cuisine": "Italian",
```

```
"nearby_landmarks": ["Koramangala Park", "Forum Mall"],  
    "online_delivery": "yes",  
    "famous_for": "Lasagna"  
,  
{  
    "name": "Desi Delights",  
    "address": {  
        "building": "35",  
        "street": "Jayanagar",  
        "area": "Bangalore South",  
        "pincode": "560041"  
,  
        "id": "R005",  
        "cuisine": "North Indian",  
        "nearby_landmarks": ["Jayanagar Shopping Complex", "Raghavendra Swamy Temple"],  
        "online_delivery": "yes",  
        "famous_for": "North Indian Thali"  
,  
        {"  
            "name": "The Italian Affair",  
            "address": {  
                "building": "50",  
                "street": "Brigade Road",  
                "area": "MG Road",  
            }  
        }  
    }  
}
```

```
        "pincode": "560001"  
    },  
    "id": "R006",  
    "cuisine": "Italian",  
    "nearby_landmarks": ["Garuda Mall", "Church Street"],  
    "online_delivery": "no",  
    "famous_for": "Margherita Pizza"  
,  
{  
    "name": "Chili Pepper",  
    "address": {  
        "building": "15",  
        "street": "Banaswadi",  
        "area": "Bangalore East",  
        "pincode": "560043"  
    },  
    "id": "R007",  
    "cuisine": "Mexican",  
    "nearby_landmarks": ["Banaswadi Station", "Kalyan Nagar"],  
    "online_delivery": "yes",  
    "famous_for": "Tacos"  
,  
{  
    "name": "Royal North",
```

```
"address": {  
    "building": "67",  
    "street": "Bellandur",  
    "area": "Bangalore East",  
    "pincode": "560103"  
},  
"id": "R008",  
"cuisine": "North Indian",  
"nearby_landmarks": ["Bellandur Lake", "Outer Ring Road"],  
"online_delivery": "yes",  
"famous_for": "North Indian Thali"  
,  
{  
    "name": "Bistro Italiano",  
    "address": {  
        "building": "30",  
        "street": "Whitefield Road",  
        "area": "Whitefield",  
        "pincode": "560066"  
},  
    "id": "R009",  
    "cuisine": "Italian",  
    "nearby_landmarks": ["Phoenix Marketcity", "International Tech Park"],  
    "online_delivery": "yes",
```

```

    "famous_for": "Risotto"
  },
  {
    "name": "Foodie Haven",
    "address": {
      "building": "10",
      "street": "Ulsoor",
      "area": "Bangalore East",
      "pincode": "560008"
    },
    "id": "R010",
    "cuisine": "Indian",
    "nearby_landmarks": ["Ulsoor Lake", "M.G. Road"],
    "online_delivery": "no",
    "famous_for": "Biryani"
  }
]

```

## **QUERIES :**

- 1. List the name and address of all restaurants in Bangalore with Italian cuisine**

```

db.restaurants.find(
  { "cuisine": "Italian" },
  { "name": 1, "address": 1, "_id": 0 }
)

```

- 2. List the name, address and nearby landmarks of all restaurants in Bangalore where north Indian thali(cuisine) is available.**

```
db.restaurants.find(  
  { "cuisine": "North Indian", "famous_for": "North Indian Thali"  
  },  
  { "name": 1, "address": 1, "nearby_landmarks": 1, "_id": 0 }  
)
```

- 3. List the name, address and nearby landmarks of all restaurants in Bangalore where north Indian thali(cuisine) is available**

```
db.restaurants.find(  
  { "cuisine": "North Indian", "famous_for": "North Indian Thali" },  
  { "name": 1, "address": 1, "nearby_landmarks": 1, "_id": 0 }  
)
```

- 4. List the name and address of restaurants and also the dish the restaurant is famous for, in Bangalore East.**

```
db.restaurants.find(  
  { "address.area": "Bangalore East" },  
  { "name": 1, "address": 1, "famous_for": 1, "_id": 0 }  
)
```

