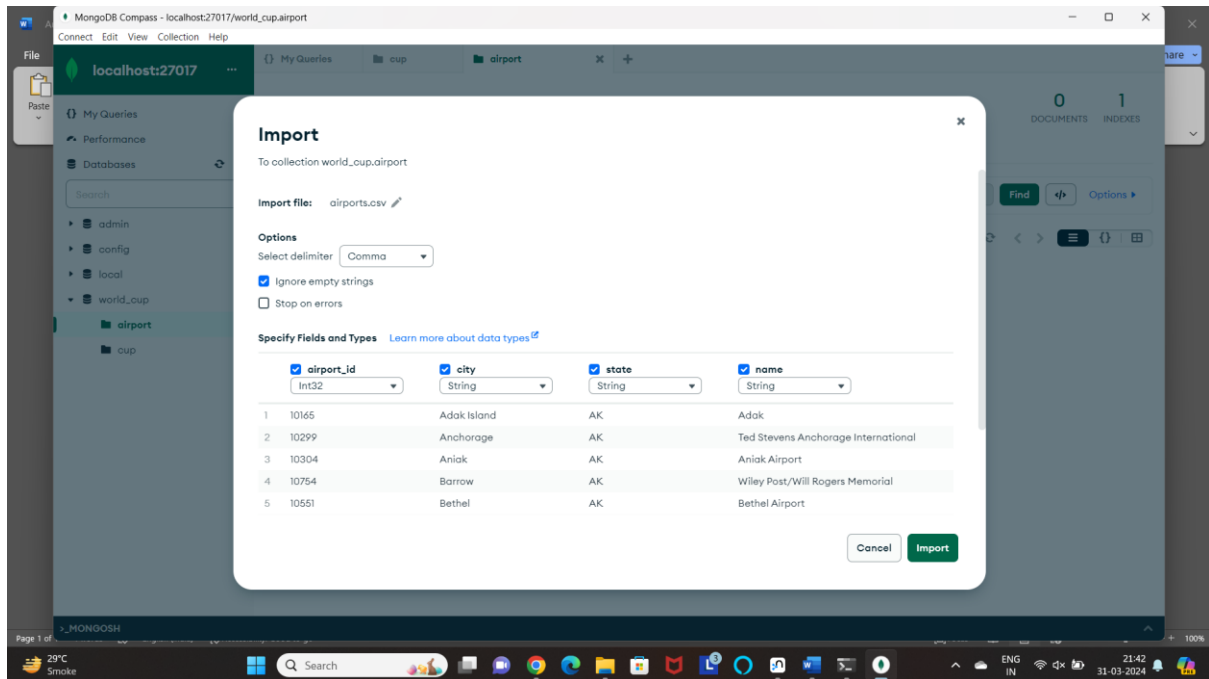


ADBMS Practical 6

Indexing



```
mongosh mongodb://127.0.0.1:27020/
switched to db world_cup
world_cup> db.airport.find()
[
  {
    _id: ObjectId('66098b91c6da84156cfd88b8'),
    airport_id: 10165,
    city: 'Adak Island',
    state: 'AK',
    name: 'Adak'
  },
  {
    _id: ObjectId('66098b91c6da84156cfd88b9'),
    airport_id: 10299,
    city: 'Anchorage',
    state: 'AK',
    name: 'Ted Stevens Anchorage International'
  },
  {
    _id: ObjectId('66098b91c6da84156cfd88ba'),
    airport_id: 10304,
    city: 'Aniak',
    state: 'AK',
    name: 'Aniak Airport'
  },
  {
    _id: ObjectId('66098b91c6da84156cfd88bb'),
    airport_id: 10754,
    city: 'Barrow',
    state: 'AK',
    name: 'Wiley Post/Will Rogers Memorial'
  }
]
```

```
mongosh mongodb://127.0.0.1 × + ▾  
  
},  
{  
  _id: ObjectId('66098b91c6da84156cfd88c6'),  
  airport_id: 13970,  
  city: 'Kotzebue',  
  state: 'AK',  
  name: 'Ralph Wien Memorial'  
},  
{  
  _id: ObjectId('66098b91c6da84156cfd88c7'),  
  airport_id: 13873,  
  city: 'Nome',  
  state: 'AK',  
  name: 'Nome Airport'  
},  
{  
  _id: ObjectId('66098b91c6da84156cfd88c8'),  
  airport_id: 14256,  
  city: 'Petersburg',  
  state: 'AK',  
  name: 'Petersburg James A Johnson'  
},  
{  
  _id: ObjectId('66098b91c6da84156cfd88c9'),  
  airport_id: 14828,  
  city: 'Sitka',  
  state: 'AK',  
  name: 'Sitka Rocky Gutierrez'  
},  
{  
}
```

```
mongosh mongodb://127.0.0.1 × + ▾
  _id: ObjectId('66098b91c6da84156cfd88c8'),
  airport_id: 14256,
  city: 'Petersburg',
  state: 'AK',
  name: 'Petersburg James A Johnson'
},
{
  _id: ObjectId('66098b91c6da84156cfd88c9'),
  airport_id: 14828,
  city: 'Sitka',
  state: 'AK',
  name: 'Sitka Rocky Gutierrez'
},
{
  _id: ObjectId('66098b91c6da84156cfd88ca'),
  airport_id: 12807,
  city: 'St. Mary's',
  state: 'AK',
  name: 'St. Mary's Airport'
},
{
  _id: ObjectId('66098b91c6da84156cfd88cb'),
  airport_id: 11445,
  city: 'Unalaska',
  state: 'AK',
  name: 'Unalaska Airport'
}
]
Type "it" for more
world_cup> db.airport.createIndex( {name: 1}, {name: "airport name index"} )
airport name index
world_cup> |
```

```
mongosh mongodb://127.0.0.1 × + ▾
},
{
  _id: ObjectId('66098b91c6da84156cfd88c9'),
  airport_id: 14828,
  city: 'Sitka',
  state: 'AK',
  name: 'Sitka Rocky Gutierrez'
},
{
  _id: ObjectId('66098b91c6da84156cfd88ca'),
  airport_id: 12807,
  city: 'St. Mary's',
  state: 'AK',
  name: 'St. Mary's Airport'
},
{
  _id: ObjectId('66098b91c6da84156cfd88cb'),
  airport_id: 11445,
  city: 'Unalaska',
  state: 'AK',
  name: 'Unalaska Airport'
}
]
Type "it" for more
world_cup> db.airport.createIndex( {name: 1}, {name: "airport name index"} )
airport name index
world_cup> db.airport.getIndexes()
[
  { v: 2, key: { _id: 1 }, name: '_id_' },
  { v: 2, key: { name: 1 }, name: 'airport name index' }
]
world_cup> |
```