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Attendance Management System:

student table
faculty table
subject table
faculty assign subject
time slot table
department table
student semester table
semester table
time table
report
attendance

Report Table :

```
db.Report.insertOne({ 'id':1 , 'StudentId':1 , 'TotalClasses':10 , 'ClassesAttended' : 5 ,  
'AttendanceRate':50 , 'SubjectId':1 , 'SemesterId':1  })
```

```
db.Report.insertOne({ 'id':2 , 'StudentId':2 , 'TotalClasses':10 , 'ClassesAttended' : 5 ,  
'AttendanceRate':50 , 'SubjectId':1 , 'SemesterId':1  })
```

```
db.Report.insertOne({ 'id':3 , 'StudentId':3 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':2 , 'SemesterId':2  })
```

```
db.Report.insertOne({ 'id':4 , 'StudentId':3 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':2 , 'SemesterId':2  })
```

```
db.Report.insertOne({ 'id':5 , 'StudentId':4 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':3 , 'SemesterId':3  })
```

```
db.Report.insertOne({ 'id':6 , 'StudentId':6 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':2 , 'SemesterId':2  })
```

```
db.Report.insertOne({ 'id':7 , 'StudentId':7 , 'TotalClasses':10 , 'ClassesAttended' : 7 ,  
'AttendanceRate':60 , 'SubjectId':1 , 'SemesterId':2  })
```

```
db.Report.insertOne({ 'id':8 , 'StudentId':4 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':3 , 'SemesterId':3  })
```

```
db.Report.insertOne({ 'id':9 , 'StudentId':4 , 'TotalClasses':10 , 'ClassesAttended' : 6 ,  
'AttendanceRate':60 , 'SubjectId':3 , 'SemesterId':3  })
```

```
db.Report.insertOne({ 'id':10 , 'StudentId':6 , 'TotalClasses':10 , 'ClassesAttended' : 8 ,  
'AttendanceRate':80 , 'SubjectId':3 , 'SemesterId':3  })
```

```
[  
  {  
    _id: ObjectId("6796f40e1b350a3bad8c01a4"),  
    id: 1,  
    StudentId: 1,  
    TotalClasses: 10,  
    ClassesAttended: 5,  
    AttendanceRate: 50,  
    SubjectId: 1,  
    SemesterId: 1  
  },  
  {  
    _id: ObjectId("6796f5f51b350a3bad8c01a5"),  
    id: 2,  
    StudentId: 2,  
    TotalClasses: 10,  
    ClassesAttended: 5,  
    AttendanceRate: 50,  
    SubjectId: 1,  
    SemesterId: 1  
  },  
  {  
    _id: ObjectId("6796f65d1b350a3bad8c01a6"),  
    id: 3,  
    StudentId: 3,  
    TotalClasses: 10,  
    ClassesAttended: 6,  
    AttendanceRate: 60,  
    SubjectId: 2,  
    SemesterId: 2  
  },  
  {  
    _id: ObjectId("6796f66f1b350a3bad8c01a7"),  
    id: 4,  
    StudentId: 3,  
    TotalClasses: 10,  
    ClassesAttended: 6,  
    AttendanceRate: 60,  
    SubjectId: 2,  
    SemesterId: 2  
  },  
  {  
    _id: ObjectId("6796f7121b350a3bad8c01a8"),  
    id: 5,  
    StudentId: 4,
```

```

TotalClasses: 10,
ClassesAttended: 6,
AttendanceRate: 60,
SubjectId: 3,
SemesterId: 3
},
{
  _id: ObjectId("6796f7f01b350a3bad8c01a9"),
  id: 6,
  StudentId: 6,
  TotalClasses: 10,
  ClassesAttended: 6,
  AttendanceRate: 60,
  SubjectId: 2,
  SemesterId: 2
},
{
  _id: ObjectId("6796f8291b350a3bad8c01aa"),
  id: 7,
  StudentId: 7,
  TotalClasses: 10,
  ClassesAttended: 7,
  AttendanceRate: 60,
  SubjectId: 1,db.Report.insertOne({ 'id':1 , 'StudentId':1 , 'TotalClasses':10 , 'ClassesAttended' : 5 ,
'AttendanceRate':50 , 'SubjectId':1 , 'SemesterId':1 })

```

SemesterId: 2

```

},
{
  _id: ObjectId("6796f85f1b350a3bad8c01ab"),
  id: 5,
  StudentId: 4,
  TotalClasses: 10,
  ClassesAttended: 6,
  AttendanceRate: 60,
  SubjectId: 3,
  SemesterId: 3
},
{
  _id: ObjectId("6796f87f1b350a3bad8c01ac"),
  id: 9,
  StudentId: 4,
  TotalClasses: 10,
  ClassesAttended: 6,
  AttendanceRate: 60,
  SubjectId: 3,
  SemesterId: 3
},
{
  _id: ObjectId("6796f8961b350a3bad8c01ad"),
  id: 10,
  StudentId: 6,

```

```
TotalClasses: 10,  
ClassesAttended: 8,  
AttendanceRate: 80,  
SubjectId: 3,  
SemesterId: 3  
}  
]
```

Attendance Table :

```
db.Attendance.insertOne({ 'id':1 , 'date':'15-8-2010' , 'UserType':'Student' , 'UserId':1 ,  
'Attendance':'Present' , 'SemesterId':1 , 'SubjectId':1  })  
  
db.Attendance.insertOne({ 'id':2 , 'date':'15-8-2011' , 'UserType':'Student' , 'UserId':2 ,  
'Attendance':'Present' , 'SemesterId':2 , 'SubjectId':1  })  
  
db.Attendance.insertOne({ 'id':3 , 'date':'10-8-2011' , 'UserType':'Faculty' , 'UserId':3 ,  
'Attendance':'Present' , 'SemesterId':2 , 'SubjectId':1  })  
  
db.Attendance.insertOne({ 'id':4 , 'date':'10-8-2011' , 'UserType':'Student' , 'UserId':4 ,  
'SemesterId':2 , 'SubjectId':1  })\  
  
db.Attendance.insertOne({ 'id':4 , 'date':'20-8-2011' , 'UserType':'Faculty' , 'UserId':4 ,  
'Attendance':'Present' , 'SemesterId':1 , 'SubjectId':1  })  
  
db.Attendance.insertOne({ 'id':6 , 'date':'20-8-2001' , 'UserType':'Student' , 'UserId':6 ,  
'Attendance':'Present' , 'SemesterId':3 , 'SubjectId':4  })  
  
db.Attendance.insertOne({ 'id':7 , 'date':'20-8-2001' , 'UserType':'Student' , 'UserId':7 ,  
'Attendance':'Present' , 'SemesterId':3 , 'SubjectId':4  })  
  
db.Attendance.insertOne({ 'id':8 , 'date':'20-08-2005' , 'UserType':'Student' , 'UserId':8 ,  
'Attendance':'Absent' , 'SemesterId':3 , 'SubjectId':4  })  
  
db.Attendance.insertOne({ 'id':9 , 'date':'20-08-2005' , 'UserType':'Student' , 'UserId':9 ,  
'Attendance':'Absent' , 'SemesterId':2 , 'SubjectId':4  })  
  
db.Attendance.insertOne({ 'id':10 , 'date':'20-08-2005' , 'UserType':'Student' , 'UserId':10 ,  
'Attendance':'Present' , 'SemesterId':2 , 'SubjectId':4  })  
  
[  
  {  
    _id: ObjectId("6796fa2e1b350a3bad8c01ae"),  
    id: 1,  
    date: '15-8-2010',  
    UserType: 'Student',  
    UserId: 1,
```

```
Attendance: 'Present',
SemesterId: 1,
SubjectId: 1
},
{
  _id: ObjectId("6796fa511b350a3bad8c01af"),
  id: 2,
  date: '15-8-2011',
  UserType: 'Student',
  UserId: 2,
  Attendance: 'Present',
  SemesterId: 2,
  SubjectId: 1
},
{
  _id: ObjectId("6796fac81b350a3bad8c01b0"),
  id: 3,
  date: '10-8-2011',
  UserType: 'Faculty',
  UserId: 3,
  Attendance: 'Present',
  SemesterId: 2,
  SubjectId: 1
},
{
  _id: ObjectId("6796fb271b350a3bad8c01b1"),
  id: 4,
  date: '10-8-2011',
  UserType: 'Student',
  UserId: 4,
  SemesterId: 2,
  SubjectId: 1
},
{
  _id: ObjectId("6796fb591b350a3bad8c01b2"),
  id: 4,
  date: '20-8-2011',
  UserType: 'Faculty',
  UserId: 4,
  Attendance: 'Present',
  SemesterId: 1,
  SubjectId: 1
},
{
  _id: ObjectId("6796fb8c1b350a3bad8c01b3"),
  id: 6,
  date: '20-8-2001',
  UserType: 'Student',
  UserId: 6,
  Attendance: 'Present',
  SemesterId: 3,
  SubjectId: 4
}
```

```

},
{
  _id: ObjectId("6796fb9a1b350a3bad8c01b4"),
  id: 7,
  date: '20-8-2001',
  UserType: 'Student',
  UserId: 7,
  Attendance: 'Present',
  SemesterId: 3,
  SubjectId: 4
},
{
  _id: ObjectId("6796fbba1b350a3bad8c01b5"),
  id: 8,
  date: '20-08-2005',
  UserType: 'Student',
  UserId: 8,
  Attendance: 'Absent',
  SemesterId: 3,
  SubjectId: 4
},
{
  _id: ObjectId("6796fbcf1b350a3bad8c01b6"),
  id: 9,
  date: '20-08-2005',
  UserType: 'Student',
  UserId: 9,
  Attendance: 'Absent',
  SemesterId: 2,
  SubjectId: 4
},
{
  _id: ObjectId("6796fbe11b350a3bad8c01b7"),
  id: 10,
  date: '20-08-2005',
  UserType: 'Student',
  UserId: 10,
  Attendance: 'Present',
  SemesterId: 2,
  SubjectId: 4
}
]

```

department table

```

db.DepartmentTable.insertOne({ id:'A01', departmentname:"MCA" })
{

```

```

    "acknowledged" : true,
    "insertedId" : ObjectId("6796f7010ecc1ad175bccf9a")
}

```

```

{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("6796f89e0ecc1ad175bccf9c"),
    ObjectId("6796f89e0ecc1ad175bccf9d"),
    ObjectId("6796f89e0ecc1ad175bccf9e"),
    ObjectId("6796f89e0ecc1ad175bccf9f"),
    ObjectId("6796f89e0ecc1ad175bccfa0")
  ]
}

```

```

> db.DepartmentTable.insertMany([ { id:'B15', departmentname:'MCA' }, { id:'B28',
departmentname:'MCA' }, { id:'B32', departmentname:'MCA' }, { id:'B49',
departmentname:'MCA' }, { id:'B53', departmentname:'MCA' }])
{

```

```

  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("6796f8ea0ecc1ad175bccfa1"),
    ObjectId("6796f8ea0ecc1ad175bccfa2"),
    ObjectId("6796f8ea0ecc1ad175bccfa3"),
    ObjectId("6796f8ea0ecc1ad175bccfa4"),
    ObjectId("6796f8ea0ecc1ad175bccfa5")
  ]
}

```

```

db.DepartmentTable.find().pretty()
{
  "_id" : ObjectId("6796f76d0ecc1ad175bccf9b"),
  "id" : "A01",
  "departmentname" : "MCA"
}
{
  "_id" : ObjectId("6796f89e0ecc1ad175bccf9c"),
  "id" : "A15",
  "departmentname" : "MCA"
}
{
  "_id" : ObjectId("6796f89e0ecc1ad175bccf9d"),

```

```

        "id" : "A28",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f89e0ecc1ad175bccf9e"),
        "id" : "A32",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f89e0ecc1ad175bccf9f"),
        "id" : "A49",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f89e0ecc1ad175bccfa0"),
        "id" : "A53",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f8ea0ecc1ad175bccfa1"),
        "id" : "B15",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f8ea0ecc1ad175bccfa2"),
        "id" : "B28",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f8ea0ecc1ad175bccfa3"),
        "id" : "B32",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f8ea0ecc1ad175bccfa4"),
        "id" : "B49",
        "departmentname" : "MCA"
    }
    {
        "_id" : ObjectId("6796f8ea0ecc1ad175bccfa5"),
        "id" : "B53",
        "departmentname" : "MCA"
    }
}
>

```

student semester table

```
> db.createCollection("StudentSemesterTable")
```



```
> db.StudentSemesterTable.insertOne({ id:1, studentId:1, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fa7b0ecc1ad175bccfa6")
}
>

> db.StudentSemesterTable.insertOne({ id:2, studentId:2, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fad00ecc1ad175bccfa7")
}
> db.StudentSemesterTable.insertOne({ id:3, studentId:3, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fad60ecc1ad175bccfa8")
}
> db.StudentSemesterTable.insertOne({ id:4, studentId:4, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fadd0ecc1ad175bccfa9")
}
> db.StudentSemesterTable.insertOne({ id:5, studentId:5, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fae30ecc1ad175bccfaa")
}
> db.StudentSemesterTable.insertOne({ id:6, studentId:6, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fae90ecc1ad175bccfab")
}
> db.StudentSemesterTable.insertOne({ id:7, studentId:7, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796faee0ecc1ad175bccfac")
}
> db.StudentSemesterTable.insertOne({ id:8, studentId:8, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796faf30ecc1ad175bccfad")
}
> db.StudentSemesterTable.insertOne({ id:9, studentId:9, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796faf90ecc1ad175bccfae")
}
> db.StudentSemesterTable.insertOne({ id:10, studentId:10, semesterId:1 })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796faff0ecc1ad175bccfaf")
}
}
```

>

```
> db.StudentSemesterTable.find().pretty()
{
  "_id" : ObjectId("6796fa7b0ecc1ad175bccfa6"),
  "id" : 1,
  "studentId" : 1,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796fad00ecc1ad175bccfa7"),
  "id" : 2,
  "studentId" : 2,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796fad60ecc1ad175bccfa8"),
  "id" : 3,
  "studentId" : 3,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796fadd0ecc1ad175bccfa9"),
  "id" : 4,
  "studentId" : 4,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796fae30ecc1ad175bccfaa"),
  "id" : 5,
  "studentId" : 5,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796fae90ecc1ad175bccfab"),
  "id" : 6,
  "studentId" : 6,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796faee0ecc1ad175bccfac"),
  "id" : 7,
  "studentId" : 7,
  "semesterId" : 1
}
```

```

{
  "_id" : ObjectId("6796faf30ecc1ad175bccfad"),
  "id" : 8,
  "studentId" : 8,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796faf90ecc1ad175bccfae"),
  "id" : 9,
  "studentId" : 9,
  "semesterId" : 1
}
{
  "_id" : ObjectId("6796faff0ecc1ad175bccfaf"),
  "id" : 10,
  "studentId" : 10,
  "semesterId" : 1
}
>

```

semester table

```

> db.SemesterTable.insertOne({ id:1, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc740ecc1ad175bccfb0")
}
>
> db.SemesterTable.insertOne({ id:2, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc820ecc1ad175bccfb1")
}
> db.SemesterTable.insertOne({ id:3, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc900ecc1ad175bccfb2")
}
> db.SemesterTable.insertOne({ id:4, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc940ecc1ad175bccfb3")
}
> db.SemesterTable.insertOne({ id:5, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })

```

```

{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc970ecc1ad175bccfb4")
}
> db.SemesterTable.insertOne({ id:6, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fc9b0ecc1ad175bccfb5")
}
> db.SemesterTable.insertOne({ id:7, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fca20ecc1ad175bccfb6")
}
> db.SemesterTable.insertOne({ id:8, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fca50ecc1ad175bccfb7")
}
> db.SemesterTable.insertOne({ id:9, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fca90ecc1ad175bccfb8")
}
> db.SemesterTable.insertOne({ id:10, semesterName:2, startdate:"27-01-2025", enddate:"31-2-2025" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fcad0ecc1ad175bccfb9")
}
>

```

```

> db.SemesterTable.find().pretty()
{
  "_id" : ObjectId("6796fc740ecc1ad175bccfb0"),
  "id" : 1,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fc820ecc1ad175bccfb1"),
  "id" : 2,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}

```

```
}
{
  "_id" : ObjectId("6796fc900ecc1ad175bccfb2"),
  "id" : 3,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fc940ecc1ad175bccfb3"),
  "id" : 4,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fc970ecc1ad175bccfb4"),
  "id" : 5,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fc9b0ecc1ad175bccfb5"),
  "id" : 6,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fca20ecc1ad175bccfb6"),
  "id" : 7,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fca50ecc1ad175bccfb7"),
  "id" : 8,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fca90ecc1ad175bccfb8"),
  "id" : 9,
  "semesterName" : 2,
  "startdate" : "27-01-2025",
  "enddate" : "31-2-2025"
}
{
  "_id" : ObjectId("6796fcad0ecc1ad175bccfb9"),
```

```

    "id" : 10,
    "semesterName" : 2,
    "startdate" : "27-01-2025",
    "enddate" : "31-2-2025"
  }
>

```

time table

```

> db.createCollection("TimeTable")
{ "ok" : 1 }
> db.TimeTable.insertOne({
... id:1,
... day:"Monday",
... One:"FS",
... Two:"FS",
... Third:"BCT",
... Four:"DP",
... Five:"ST",
... Six:"EH"
... })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fd990ecc1ad175bccfba")
}
> db.TimeTable.insertOne({ id:2, day:"Monday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdc6bfacabc26d1ed5da")
}
> db.TimeTable.insertOne({ id:3, day:"Monday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdcfbfacabc26d1ed5db")
}
> db.TimeTable.insertOne({ id:4, day:"Monday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdd4bfacabc26d1ed5dc")
}
> db.TimeTable.insertOne({ id:5, day:"Monday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdd8bfacabc26d1ed5dd")
}

```

```

> db.TimeTable.insertOne({ id:6, day:"Monday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdddbfacabc26d1ed5de")
}
> db.TimeTable.insertOne({ id:7, day:"Tuesday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdefbfacabc26d1ed5df")
}
> db.TimeTable.insertOne({ id:8, day:"Tuesday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdf4bfacabc26d1ed5e0")
}
> db.TimeTable.insertOne({ id:9, day:"Tuesday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdf9bfacabc26d1ed5e1")
}
> db.TimeTable.insertOne({ id:10, day:"Tuesday", One:"FS", Two:"FS", Third:"BCT", Four:"DP",
Five:"ST", Six:"EH" })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6796fdfdbfacabc26d1ed5e2")
}
>

```

```

db.TimeTable.find().pretty()
{
  "_id" : ObjectId("6796fd990ecc1ad175bccfba"),
  "id" : 1,
  "day" : "Monday",
  "One" : "FS",
  "Two" : "FS",
  "Third" : "BCT",
  "Four" : "DP",
  "Five" : "ST",
  "Six" : "EH"
}
{
  "_id" : ObjectId("6796fdc6bfacabc26d1ed5da"),
  "id" : 2,
  "day" : "Monday",
  "One" : "FS",
  "Two" : "FS",

```

```

    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdcfbfacabc26d1ed5db"),
    "id" : 3,
    "day" : "Monday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdd4bfacabc26d1ed5dc"),
    "id" : 4,
    "day" : "Monday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdd8bfacabc26d1ed5dd"),
    "id" : 5,
    "day" : "Monday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdddbfacabc26d1ed5de"),
    "id" : 6,
    "day" : "Monday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdefbfacabc26d1ed5df"),
    "id" : 7,

```



```

    "day" : "Tuesday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdf4bfacabc26d1ed5e0"),
    "id" : 8,
    "day" : "Tuesday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdf9bfacabc26d1ed5e1"),
    "id" : 9,
    "day" : "Tuesday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
  {
    "_id" : ObjectId("6796fdfdbfacabc26d1ed5e2"),
    "id" : 10,
    "day" : "Tuesday",
    "One" : "FS",
    "Two" : "FS",
    "Third" : "BCT",
    "Four" : "DP",
    "Five" : "ST",
    "Six" : "EH"
  }
}
>

```

```

> db.createCollection("subject_table");
{ "ok" : 1 }
> db.createCollection("faculty_assign_subject_table");

```

```
{ "ok" : 1 }
> db.createCollection("time_table_slot_table");
{ "ok" : 1 }
```

subject_table

```
> db.subject_table.insertMany(
... [
... {
... Id:1,
... SubjectName:"Fullstack",
... DepartmentId:1,
... SemesterId:1
... },
... {
... Id:2,
... SubjectName:"A",
... DepartmentId:2,
... SemesterId:2
... },
... {
... Id:3,
... SubjectName:"B",
... DepartmentId:3,
... SemesterId:3
... },
... {
... Id:4,
... SubjectName:"C",
... DepartmentId:4,
... SemesterId:4
... },
... {
... Id:5,
... SubjectName:"D",
... DepartmentId:5,
... SemesterId:5
... },
... {
... Id:6,
... SubjectName:"E",
... DepartmentId:6,
... SemesterId:6
... },
... {
... Id:7,
... SubjectName:"F",
... DepartmentId:7,
... SemesterId:7
... },
... {
```

```

... Id:8,
... SubjectName:"FS",
... DepartmentId:8,
... SemesterId:8
... },
... {
... Id:9,
... SubjectName:"FULLSTACK",
... DepartmentId:9,
... SemesterId:9
... },
... {
... Id:10,
... SubjectName:"ai",
... DepartmentId:10,
... SemesterId:10
... }
... ])
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("6796f9e5df05a5862efbef3e"),
        ObjectId("6796f9e5df05a5862efbef3f"),
        ObjectId("6796f9e5df05a5862efbef40"),
        ObjectId("6796f9e5df05a5862efbef41"),
        ObjectId("6796f9e5df05a5862efbef42"),
        ObjectId("6796f9e5df05a5862efbef43"),
        ObjectId("6796f9e5df05a5862efbef44"),
        ObjectId("6796f9e5df05a5862efbef45"),
        ObjectId("6796f9e5df05a5862efbef46"),
        ObjectId("6796f9e5df05a5862efbef47")
    ]
}
>
> SHOW COLLECTIONS;
2025-01-27T08:48:17.295+0530 E QUERY [thread1] SyntaxError: missing ; before statement
@(shell):1:5
> show collections;
faculty assign subject table
faculty_assign_subject_table
subject table
subject_table

        faculty_assign_subject_table

> db.faculty_assign_subject_table.insertMany(
... [
... {
... Id:1,
... FacultyID:"A",
... SubjectId:1
... },

```

```

... {
... Id:2,
... FacultyID:"B",
... SubjectId:2
... },
... {
... Id:3,
... FacultyID:"C",
... SubjectId:3
... },
... {
... Id:4,
... FacultyID:"D",
... SubjectId:4
... },
... {
... Id:5,
... FacultyID:"E",
... SubjectId:5
... },
... {
... Id:6,
... FacultyID:"F",
... SubjectId:6
... },
... {
... Id:7,
... FacultyID:"G",
... SubjectId:7
... },
... {
... Id:8,
... FacultyID:"H",
... SubjectId:8
... },
... {
... Id:9,
... FacultyID:"I",
... SubjectId:9
... },
... {
... Id:10,
... FacultyID:"A",
... SubjectId:10
... }
... ])
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("6796fb30df05a5862efbef48"),
        ObjectId("6796fb30df05a5862efbef49"),
        ObjectId("6796fb30df05a5862efbef4a"),

```

```

        ObjectId("6796fb30df05a5862efbef4b"),
        ObjectId("6796fb30df05a5862efbef4c"),
        ObjectId("6796fb30df05a5862efbef4d"),
        ObjectId("6796fb30df05a5862efbef4e"),
        ObjectId("6796fb30df05a5862efbef4f"),
        ObjectId("6796fb30df05a5862efbef50"),
        ObjectId("6796fb30df05a5862efbef51")
    ]
}

```

time_table_slot_table

```

> db.createCollection("time_table_slot_table");
{ "ok" : 1 }
> db.time_table_slot_table.insertMany(
... [
... {
... Id:1,
... DepartmentId:1,
... Day:"Mon",
... TimeTableId:1,
... StudentId:1,
... FacultyAssignSubjectID:1
... },
... {
... Id:2,
... DepartmentId:2,
... Day:"Tue",
... TimeTableId:2,
... StudentId:2,
... FacultyAssignSubjectID:2
... },
... {
... Id:3,
... DepartmentId:3,
... Day:"Wed",
... TimeTableId:3,
... StudentId:3,
... FacultyAssignSubjectID:3
... },
... {
... Id:4,
... DepartmentId:4,
... Day:"Thrus",
... TimeTableId:4,
... StudentId:4,
... FacultyAssignSubjectID:4
... },
... {
... Id:5,
... DepartmentId:5,
... Day:"Frid",

```

```

... TimeTableId:5,
... StudentId:5,
... FacultyAssignSubjectID:5
... },
... {
... Id:6,
... DepartmentId:6,
... Day:"Sat",
... TimeTableId:6,
... StudentId:6,
... FacultyAssignSubjectID:6
... },
... {
... Id:7,
... DepartmentId:7,
... Day:"Sun",
... TimeTableId:7,
... StudentId:7,
... FacultyAssignSubjectID:7
... },
... {
... Id:8,
... DepartmentId:8,
... Day:"Mon",
... TimeTableId:8,
... StudentId:8,
... FacultyAssignSubjectID:8
... },
... {
... Id:9,
... DepartmentId:9,
... Day:"Tue",
... TimeTableId:9,
... StudentId:9,
... FacultyAssignSubjectID:9
... },
... {
... Id:10,
... DepartmentId:10,
... Day:"Fri",
... TimeTableId:10,
... StudentId:10,
... FacultyAssignSubjectID:10
... }
... ])
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("6796fe30df05a5862efbef52"),
        ObjectId("6796fe30df05a5862efbef53"),
        ObjectId("6796fe30df05a5862efbef54"),
        ObjectId("6796fe30df05a5862efbef55"),
    ]
}

```

```

        ObjectId("6796fe30df05a5862efbef56"),
        ObjectId("6796fe30df05a5862efbef57"),
        ObjectId("6796fe30df05a5862efbef58"),
        ObjectId("6796fe30df05a5862efbef59"),
        ObjectId("6796fe30df05a5862efbef5a"),
        ObjectId("6796fe30df05a5862efbef5b")
    ]
}

> db.subject_table.find()
{ "_id" : ObjectId("6796f9e5df05a5862efbef3e"), "Id" : 1, "SubjectName" : "Fullstack",
  "DepartmentId" : 1, "SemesterId" : 1 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef3f"), "Id" : 2, "SubjectName" : "A", "DepartmentId" :
  2, "SemesterId" : 2 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef40"), "Id" : 3, "SubjectName" : "B", "DepartmentId" :
  3, "SemesterId" : 3 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef41"), "Id" : 4, "SubjectName" : "C", "DepartmentId" :
  4, "SemesterId" : 4 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef42"), "Id" : 5, "SubjectName" : "D", "DepartmentId" :
  5, "SemesterId" : 5 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef43"), "Id" : 6, "SubjectName" : "E", "DepartmentId" :
  6, "SemesterId" : 6 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef44"), "Id" : 7, "SubjectName" : "F", "DepartmentId" :
  7, "SemesterId" : 7 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef45"), "Id" : 8, "SubjectName" : "FS", "DepartmentId" :
  8, "SemesterId" : 8 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef46"), "Id" : 9, "SubjectName" : "FULLSTACK",
  "DepartmentId" : 9, "SemesterId" : 9 }
{ "_id" : ObjectId("6796f9e5df05a5862efbef47"), "Id" : 10, "SubjectName" : "ai", "DepartmentId" :
  10, "SemesterId" : 10 }

> db.faculty_assign_subject_table.find()
{ "_id" : ObjectId("6796fb30df05a5862efbef48"), "Id" : 1, "FacultyID" : "A", "SubjectId" : 1 }
{ "_id" : ObjectId("6796fb30df05a5862efbef49"), "Id" : 2, "FacultyID" : "B", "SubjectId" : 2 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4a"), "Id" : 3, "FacultyID" : "C", "SubjectId" : 3 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4b"), "Id" : 4, "FacultyID" : "D", "SubjectId" : 4 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4c"), "Id" : 5, "FacultyID" : "E", "SubjectId" : 5 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4d"), "Id" : 6, "FacultyID" : "F", "SubjectId" : 6 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4e"), "Id" : 7, "FacultyID" : "G", "SubjectId" : 7 }
{ "_id" : ObjectId("6796fb30df05a5862efbef4f"), "Id" : 8, "FacultyID" : "H", "SubjectId" : 8 }
{ "_id" : ObjectId("6796fb30df05a5862efbef50"), "Id" : 9, "FacultyID" : "I", "SubjectId" : 9 }
{ "_id" : ObjectId("6796fb30df05a5862efbef51"), "Id" : 10, "FacultyID" : "A", "SubjectId" : 10 }

> db.time_table_slot_table.find()
{ "_id" : ObjectId("6796fe30df05a5862efbef52"), "Id" : 1, "DepartmentId" : 1, "Day" : "Mon",
  "TimeTableId" : 1, "StudentId" : 1, "FacultyAssignSubjectID" : 1 }
{ "_id" : ObjectId("6796fe30df05a5862efbef53"), "Id" : 2, "DepartmentId" : 2, "Day" : "Tue",
  "TimeTableId" : 2, "StudentId" : 2, "FacultyAssignSubjectID" : 2 }

```

```

{ "_id" : ObjectId("6796fe30df05a5862efbef54"), "Id" : 3, "DepartmentId" : 3, "Day" : "Wed",
"TimeTableId" : 3, "StudentId" : 3, "FacultyAssignSubjectID" : 3 }
{ "_id" : ObjectId("6796fe30df05a5862efbef55"), "Id" : 4, "DepartmentId" : 4, "Day" : "Thurs",
"TimeTableId" : 4, "StudentId" : 4, "FacultyAssignSubjectID" : 4 }
{ "_id" : ObjectId("6796fe30df05a5862efbef56"), "Id" : 5, "DepartmentId" : 5, "Day" : "Frid",
"TimeTableId" : 5, "StudentId" : 5, "FacultyAssignSubjectID" : 5 }
{ "_id" : ObjectId("6796fe30df05a5862efbef57"), "Id" : 6, "DepartmentId" : 6, "Day" : "Sat",
"TimeTableId" : 6, "StudentId" : 6, "FacultyAssignSubjectID" : 6 }
{ "_id" : ObjectId("6796fe30df05a5862efbef58"), "Id" : 7, "DepartmentId" : 7, "Day" : "Sun",
"TimeTableId" : 7, "StudentId" : 7, "FacultyAssignSubjectID" : 7 }
{ "_id" : ObjectId("6796fe30df05a5862efbef59"), "Id" : 8, "DepartmentId" : 8, "Day" : "Mon",
"TimeTableId" : 8, "StudentId" : 8, "FacultyAssignSubjectID" : 8 }
{ "_id" : ObjectId("6796fe30df05a5862efbef5a"), "Id" : 9, "DepartmentId" : 9, "Day" : "Tue",
"TimeTableId" : 9, "StudentId" : 9, "FacultyAssignSubjectID" : 9 }
{ "_id" : ObjectId("6796fe30df05a5862efbef5b"), "Id" : 10, "DepartmentId" : 10, "Day" : "Fri",
"TimeTableId" : 10, "StudentId" : 10, "FacultyAssignSubjectID" : 10 }

```

Student Table:

```

db.createCollection("student")
db.student.insertOne({ id:1, name:"Pavan", email:"pavan@gmail.com", enrollment_number:2,
department_id:1, semester_id:1 })
db.student.insertOne({ id:2, name:"Nesargi", email:"nesargi@gmail.com", enrollment_number:15,
department_id:1, semester_id:1 })
db.student.insertOne({ id:3, name:"Dinal", email:"dinal@gmail.com", enrollment_number:28,
department_id:1, semester_id:1 })
db.student.insertOne({ id:4, name:"Kirtan", email:"Kirtan@gmail.com", enrollment_number:32,
department_id:1, semester_id:1 })
db.student.insertOne({ id:5, name:"Jay", email:"jay@gmail.com", enrollment_number:48,
department_id:1, semester_id:1 })
db.student.insertOne({ id:6, name:"Sahil", email:"sahil@gmail.com", enrollment_number:52,
department_id:1, semester_id:1 })
db.student.insertOne({ id:7, name:"Jaynil", email:"jaynil@gmail.com", enrollment_number:60,
department_id:1, semester_id:1 })
db.student.insertOne({ id:8, name:"Parth", email:"parth@gmail.com", enrollment_number:66,
department_id:1, semester_id:1 })
db.student.insertOne({ id:9, name:"Ekta", email:"ekta@gmail.com", enrollment_number:70,
department_id:1, semester_id:1 })
db.student.insertOne({ id:10, name:"Megha", email:"megha@gmail.com", enrollment_number:77,
department_id:1, semester_id:1 })
db.student.find();
{ "_id" : ObjectId("6796fc744f0f17f7e0e2454d"), "id" : 1, "name" : "Pavan", "email" :
"pavan@gmail.com", "enrollment_number" : 2, "
{ "_id" : ObjectId("6796fcb74f0f17f7e0e2454e"), "id" : 2, "name" : "Nesargi", "email" :
"nesargi@gmail.com", "enrollment_number" : 1
{ "_id" : ObjectId("6796fcc44f0f17f7e0e2454f"), "id" : 3, "name" : "Dinal", "email" :
"dinal@gmail.com", "enrollment_number" : 28, "de
{ "_id" : ObjectId("6796fd474f0f17f7e0e24550"), "id" : 4, "name" : "Kirtan", "email" :
"Kirtan@gmail.com", "enrollment_number" : 32,
{ "_id" : ObjectId("6796fd624f0f17f7e0e24551"), "id" : 5, "name" : "Jay", "email" :
"jay@gmail.com", "enrollment_number" : 48, "depa

```



```
{ "_id" : ObjectId("6796fd754f0f17f7e0e24552"), "id" : 6, "name" : "Sahil", "email" :
"sahil@gmail.com", "enrollment_number" : 52, "d
{ "_id" : ObjectId("6796fd8d4f0f17f7e0e24553"), "id" : 7, "name" : "Jaynil", "email" :
"jaynil@gmail.com", "enrollment_number" : 60, "
{ "_id" : ObjectId("6796fda44f0f17f7e0e24554"), "id" : 8, "name" : "Parth", "email" :
"parth@gmail.com", "enrollment_number" : 66, "d
{ "_id" : ObjectId("6796fdbf4f0f17f7e0e24555"), "id" : 9, "name" : "Ekta", "email" :
"ekta@gmail.com", "enrollment_number" : 70, "de
{ "_id" : ObjectId("6796fdda4f0f17f7e0e24556"), "id" : 10, "name" : "Megha", "email" :
"megha@gmail.com", "enrollment_number" : 7
```

Faculty Table:

```
db.createCollection("faculty")
```

```
db.faculty.insertOne({id:1, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:2, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:3, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:4, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:5, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:6, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:7, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:8, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:9, name:"ABC", department_id:1})
```

```
db.faculty.insertOne({id:10, name:"ABC", department_id:1})
```

```
db.faculty.find()
```

```
{ "_id" : ObjectId("6796ff494f0f17f7e0e24557"), "id" : 1, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff4e4f0f17f7e0e24558"), "id" : 2, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff514f0f17f7e0e24559"), "id" : 3, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff554f0f17f7e0e2455a"), "id" : 4, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff594f0f17f7e0e2455b"), "id" : 5, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff5c4f0f17f7e0e2455c"), "id" : 6, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff614f0f17f7e0e2455d"), "id" : 7, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff664f0f17f7e0e2455e"), "id" : 8, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff6a4f0f17f7e0e2455f"), "id" : 9, "name" : "ABC", "department_id" : 1 }
```

```
{ "_id" : ObjectId("6796ff714f0f17f7e0e24560"), "id" : 10, "name" : "ABC", "department_id" : 1 }
```

>