

1. Find total League, Season, Matches played in each Country:

Query:

```
db.Matches.aggregate([
  {$group: {_id: '$Country', TL: {$addToSet: '$League'}, TS: {$addToSet: '$Season'}, TM: {$sum: 1}}},
  {$project: {_id: 0, Country: '$_id', TotalLeague: {$size: '$TL'}, TotalSeason: {$size: '$TS'}, TotalMatch: '$TM'}}
])
```

```
FIFAWorldCup> db.Matches.aggregate([
...   {$group: {_id: '$Country', TL: {$addToSet: '$League'}, TS: {$addToSet: '$Season'}, TM: {$sum: 1}}},
...   {$project: {Country: '$_id', TotalLeague: {$size: '$TL'}, TotalSeason: {$size: '$TS'}, TotalMatch: '$TM', _id: 0}}
... ])
[
  {
    Country: 'France',
    TotalLeague: 1,
    TotalSeason: 8,
    TotalMatch: 3040
  },
  {
    Country: 'England',
    TotalLeague: 1,
    TotalSeason: 8,
    TotalMatch: 3038
  },
  {
    Country: 'Belgium',
    TotalLeague: 1,
    TotalSeason: 8,
    TotalMatch: 1520
  },
  {
    Country: 'Germany',
    TotalLeague: 1,
    TotalSeason: 8,
    TotalMatch: 2192
  }
]
FIFAWorldCup> ■
```

2. Find Countries, Total Matches played in each Season:

Query:

```
db.Matches.aggregate([
  {$group:{_id:'$Season', Country:{$addToSet:'$Country'}, TM:{$sum:1}}},
  {$project:{_id:0,Season:'$_id', Country:'$Country',TotalMatch:'$TM'}}
])
```

```
FIFAWorldCup> db.Matches.aggregate([
...   {$group:{_id:'$Season', Country:{$addToSet:'$Country'}, TM:{$sum:1}}},
...   {$project:{_id:0,Season:'$_id', Country:'$Country',TotalMatch:'$TM'}}
... ])
[
  {
    Season: '2011/2012',
    Country: [ 'France', 'England', 'Germany', 'Belgium' ],
    TotalMatch: 1306
  },
  {
    Season: '2014/2015',
    Country: [ 'France', 'England', 'Belgium', 'Germany' ],
    TotalMatch: 1306
  },
  {
    Season: '2008/2009',
    Country: [ 'France', 'Belgium', 'Germany', 'England' ],
    TotalMatch: 1164
  },
  {
    Season: '2015/2016',
    Country: [ 'France', 'Belgium', 'Germany', 'England' ],
    TotalMatch: 1050
  },
  {
    Season: '2009/2010',
    Country: [ 'France', 'Belgium', 'Germany', 'England' ],
    TotalMatch: 1276
  },
  {
    Season: '2012/2013',
    Country: [ 'France', 'England', 'Belgium', 'Germany' ],
    TotalMatch: 1306
  },
]
```

- Total Matches played in each Season Country wise:

Query: db.Matches.aggregate([{\$group:{_id:{Season:'\$Season',Country:'\$Country'}, Matches:{\$sum:1}}},{ \$sort:{_id:1}}])

```
FIFAWorldCup> db.Matches.aggregate([{$group:{_id:{Season:'$Season',Country:'$Country'}, Matches:{$sum:1}}},{ $sort:{_id:1}}])
[
  { _id: { Season: '2008/2009', Country: 'Belgium' }, Matches: 98 },
  { _id: { Season: '2008/2009', Country: 'England' }, Matches: 380 },
  { _id: { Season: '2008/2009', Country: 'France' }, Matches: 380 },
  { _id: { Season: '2008/2009', Country: 'Germany' }, Matches: 306 },
  { _id: { Season: '2009/2010', Country: 'Belgium' }, Matches: 210 },
  { _id: { Season: '2009/2010', Country: 'England' }, Matches: 380 },
  { _id: { Season: '2009/2010', Country: 'France' }, Matches: 380 },
  { _id: { Season: '2009/2010', Country: 'Germany' }, Matches: 306 },
  { _id: { Season: '2010/2011', Country: 'Belgium' }, Matches: 240 },
  { _id: { Season: '2010/2011', Country: 'England' }, Matches: 379 },
  { _id: { Season: '2010/2011', Country: 'France' }, Matches: 380 },
  { _id: { Season: '2010/2011', Country: 'Germany' }, Matches: 306 },
  { _id: { Season: '2011/2012', Country: 'Belgium' }, Matches: 240 },
  { _id: { Season: '2011/2012', Country: 'England' }, Matches: 380 },
  { _id: { Season: '2011/2012', Country: 'France' }, Matches: 380 },
  { _id: { Season: '2011/2012', Country: 'Germany' }, Matches: 306 },
  { _id: { Season: '2012/2013', Country: 'Belgium' }, Matches: 240 },
  { _id: { Season: '2012/2013', Country: 'England' }, Matches: 380 },
  { _id: { Season: '2012/2013', Country: 'France' }, Matches: 380 },
  { _id: { Season: '2012/2013', Country: 'Germany' }, Matches: 306 }
]
Type "it" for more
FIFAWorldCup> it
```

3. Find Total Goals and Match played by each Team:

```
var map = function(){  
    emit(this.HomeTeam.Name,{M:1,G:this.Goals.HomeTeam});  
    emit(this.AwayTeam.Name,{M:1,G:this.Goals.AwayTeam});  
}
```

```
var sum = function(key,value){  
    var myElem = {Match:0,Goal:0};  
    for(var i=0; i < value.length; i++)  
    {  
        myElem.Match += value[i].M;  
        myElem.Goal += value[i].G;  
    }  
    return myElem;  
}
```

```
db.Matches.mapReduce(map,sum,{out:'TeamAnalysis'})
```

```
db.TeamAnalysis.aggregate([{$project:{_id:0,Team:'$_id',Matches:'$value.Match',Goals:'$value.Goal'}},{ $sort:{Goals:-1}}])
```

```
FIFAWorldCup> db.TeamAnalysis.aggregate([{$project:{_id:0,Team:'$_id',Matches:'$value.Match',Goals:'$value.Goal'}},{ $sort:{Goals:-1}}])  
[  
  { Team: 'Manchester City(MCI)', Matches: 304, Goals: 606 },  
  { Team: 'FC Bayern Munich(BMU)', Matches: 244, Goals: 591 },  
  { Team: 'Chelsea(CHE)', Matches: 303, Goals: 583 },  
  { Team: 'Manchester United(MUN)', Matches: 304, Goals: 582 },  
  { Team: 'Arsenal(ARS)', Matches: 303, Goals: 571 },  
  { Team: 'Paris Saint-Germain(PSG)', Matches: 304, Goals: 568 },  
  { Team: 'Liverpool(LIV)', Matches: 303, Goals: 531 },  
  { Team: 'Olympique Lyonnais(LYO)', Matches: 304, Goals: 497 },  
  { Team: 'Borussia Dortmund(DOR)', Matches: 244, Goals: 489 },  
  { Team: 'Tottenham Hotspur(TOT)', Matches: 304, Goals: 481 },  
  { Team: 'Olympique de Marseille(MAR)', Matches: 304, Goals: 462 },  
  { Team: 'LOSC Lille(LIL)', Matches: 304, Goals: 450 },  
  { Team: 'Bayer 04 Leverkusen(LEV)', Matches: 244, Goals: 439 },  
  { Team: 'Everton(EVE)', Matches: 303, Goals: 438 },  
  { Team: 'VfL Wolfsburg(WOL)', Matches: 244, Goals: 427 },  
  { Team: 'Girondins de Bordeaux(BOR)', Matches: 304, Goals: 404 },  
  { Team: 'FC Schalke 04(S04)', Matches: 244, Goals: 384 },  
  { Team: 'Club Brugge KV(CLB)', Matches: 189, Goals: 382 },  
  { Team: 'SV Werder Bremen(WBR)', Matches: 244, Goals: 380 },  
  { Team: 'FC Lorient(LOR)', Matches: 304, Goals: 378 }  
]  
Type "it" for more  
FIFAWorldCup>
```

4. Find Number of Matches won by each Team:

```
var map = function(){  
    var Difference = 0;  
    if(this.Goals.HomeTeam != this.Goals.AwayTeam)  
    {  
        if(this.Goals.HomeTeam > this.Goals.AwayTeam)  
        {  
            Difference = this.Goals.HomeTeam - this.Goals.AwayTeam;  
            emit(this.HomeTeam.Name,{M:1,G:Difference});  
        }  
  
        else  
        {  
            Difference = this.Goals.AwayTeam - this.Goals.HomeTeam;  
            emit(this.AwayTeam.Name,{M:1,G:Difference});  
        }  
    }  
}
```

```
var sum = function(key,value){  
    var myElem = {Match:0,AvgGoal:0};  
    for(var i=0; i < value.length; i++)  
    {  
        myElem.Match += value[i].M;  
        myElem.AvgGoal += value[i].G;  
    }  
    myElem.AvgGoal /= i;  
    return myElem;  
}
```

```
db.Matches.mapReduce(map,sum,{out:'WonTeamAnalysis'})
```

```
db.WonTeamAnalysis.aggregate([{$project:{_id:0,Team:'$_id',Won:'$value.Match',AvgWonGoal:'$value.AvgGoal'}},{$sort:{Won:-1}}])
```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
FIFAWorldCup> db.WonTeamAnalysis.aggregate([{$project:{_id:0,Team:'$_id',Won:'$value.Match',AvgWonGoal:'$value.AvgGoal'}},{$sort:{Won:-1}}])
[
  {
    Team: 'Manchester United(MUN)', Won: 192, AvgWonGoal: 2.015625 },
    {
    Team: 'Chelsea(CHE)', Won: 176, AvgWonGoal: 2.1818181818181817 },
    {
    Team: 'Paris Saint-Germain(PSG)',
    Won: 175,
    AvgWonGoal: 2.1542857142857144
    },
    {
    Team: 'Manchester City(MCI)',
    Won: 175,
    AvgWonGoal: 2.2742857142857145
    },
    {
    Team: 'FC Bayern Munich(BMU)',
    Won: 170,
    AvgWonGoal: 2.6294117647058823
    },
    {
    Team: 'Arsenal(ARS)', Won: 169, AvgWonGoal: 2.0828402366863905 },
    {
    Team: 'Olympique Lyonnais(LYO)',
    Won: 153,
    AvgWonGoal: 1.9607843137254901
    },
    {
    Team: 'Tottenham Hotspur(TOT)',
    Won: 151,
    AvgWonGoal: 1.7483443708609272
    },
    {
    Team: 'Liverpool(LIV)', Won: 150, AvgWonGoal: 2.16 },
    {
    Team: 'LOSC Lille(LIL)', Won: 147, AvgWonGoal: 1.7755102040816326 },
    {
    Team: 'Olympique de Marseille(MAR)',
    Won: 143,
    AvgWonGoal: 1.7342657342657342
    }
]
```

5. Display Details and Played Matches by each Player of Top 1 Won Team:

```
var map = function(){
    if(this.HomeTeam.Name == 'Manchester United(MUN)')
    {
        for(var i=0; i < this.HomeTeam.Players.length; i++)
            emit(this.HomeTeam.Players[i].Fifald,1);
    }

    else if(this.AwayTeam.Name == 'Manchester United(MUN)')
    {
        for(var i=0; i < this.AwayTeam.Players.length; i++)
            emit(this.AwayTeam.Players[i].Fifald,1);
    }
}

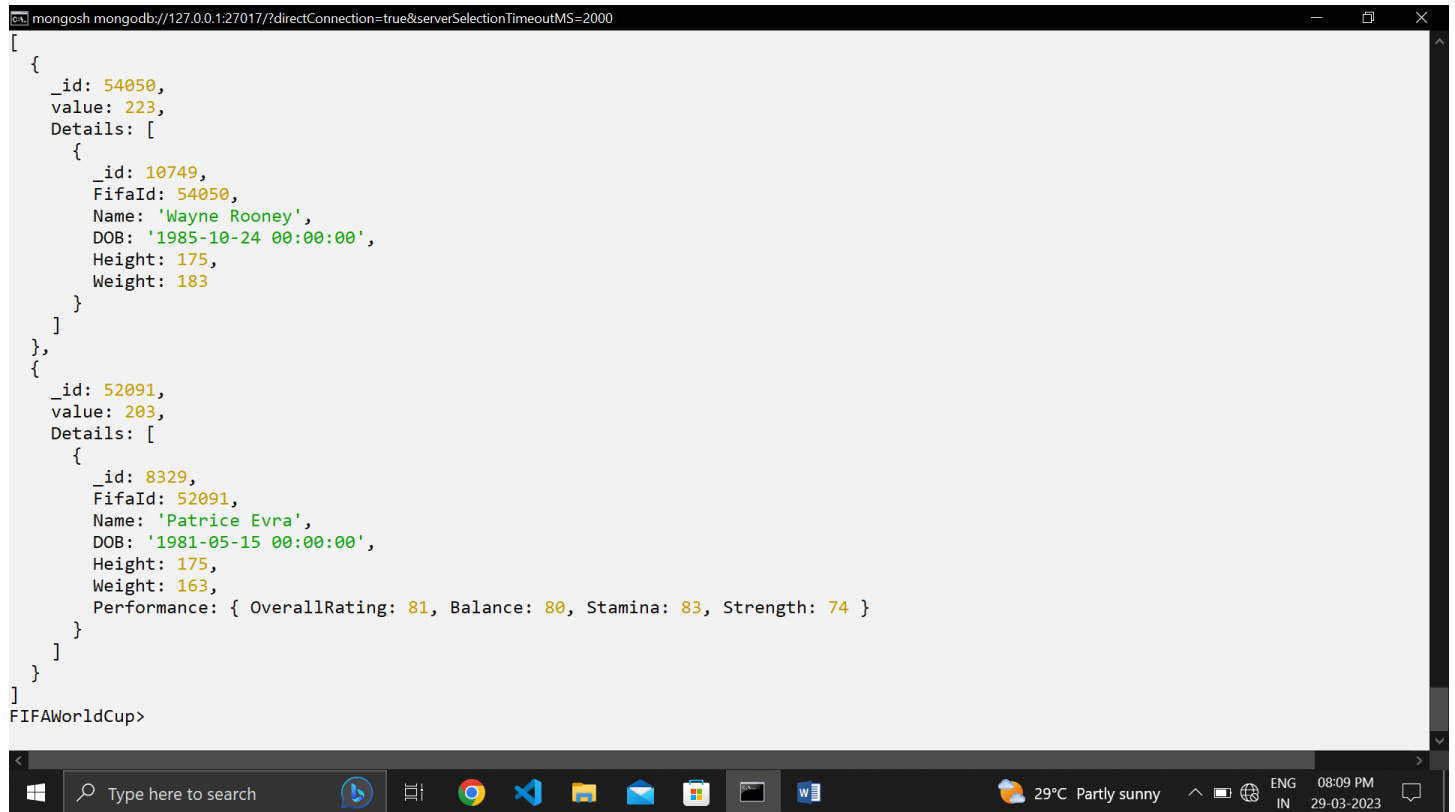
var sum = function(key,value){return Array.sum(value);}

db.Matches.mapReduce(map,sum,{out:'Top1TeamPlayers',query:{$or:[{'HomeTeam.Name':'Manchester United(MUN)'},{ 'AwayTeam.Name':'Manchester United(MUN)'}]}})

db.Top1TeamPlayers.aggregate([
    {
        $lookup:
        {
            from: 'Players',
            localField: '_id',
            foreignField: 'Fifald',
            as: 'Details'
        }
    },
    {
        $unwind: '$Details'
    },
    {
        $group:
        {
            _id: '$Details',
            count: { $sum: 1 }
        }
    },
    {
        $sort: '$count'
    },
    {
        $limit: 1
    }
])
```

```
{
  $sort:{value:-1}
},
])
```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
[
  {
    _id: 54050,
    value: 223,
    Details: [
      {
        _id: 10749,
        FifaId: 54050,
        Name: 'Wayne Rooney',
        DOB: '1985-10-24 00:00:00',
        Height: 175,
        Weight: 183
      }
    ]
  },
  {
    _id: 52091,
    value: 203,
    Details: [
      {
        _id: 8329,
        FifaId: 52091,
        Name: 'Patrice Evra',
        DOB: '1981-05-15 00:00:00',
        Height: 175,
        Weight: 163,
        Performance: { OverallRating: 81, Balance: 80, Stamina: 83, Strength: 74 }
      }
    ]
  }
]
FIFAWorldCup>
```



6. Display Top 5 High Performance Players from Top1TeamPlayers:

```
db.Top1TeamPlayers.aggregate([
  {
    $lookup:
    {
      from: 'Players',
      localField: '_id',
      foreignField: 'FifaId',
      as: 'Details'
    }
  },
  {
    $unwind:'$Details'
  },
  {
    $sort: {'Details.Performance.OverallRating':-1}
  },
  {
    $limit:5
  },
  {
    $project: {_id:0,FifaId:'$_id',Name:'$Details.Name',Performance:'$Details.Performance.OverallRating'}
  }
])
```

```
[
  { FifaId: 20801, Name: 'Cristiano Ronaldo', Performance: 91 },
  { FifaId: 143001, Name: 'Carlos Tevez', Performance: 86 },
  { FifaId: 121944, Name: 'Bastian Schweinsteiger', Performance: 86 },
  { FifaId: 140601, Name: 'Nemanja Vidic', Performance: 85 },
  { FifaId: 51539, Name: 'Edwin van der Sar', Performance: 84 }
]
FIFAWorldCup>
```


7. Find the Teams, which Won even Team has less Players than opposite Team:

```
var map = function(){  
    if(this.HomeTeam.Players.length < this.AwayTeam.Players.length && this.Goals.HomeTeam >  
this.Goals.AwayTeam)  
    {  
        emit(this.HomeTeam.Name,1);  
    }  
    else if(this.AwayTeam.Players.length < this.HomeTeam.Players.length && this.Goals.AwayTeam >  
this.Goals.HomeTeam)  
    {  
        emit(this.AwayTeam.Name,1);  
    }  
}
```

```
var sum = function(key,value){return Array.sum(value);}
```

```
db.Matches.mapReduce(map,sum,{out:'WonEvenLessPlayers'})
```

```
db.WonEvenLessPlayers.aggregate([{$project:{_id:0,Team:'$_id',NoTimeWon:'$value'}},{ $sort:{NoTimeWon:-  
1}},{ $limit:3}])
```

```
FIFAWorldCup> db.WonEvenLessPlayers.aggregate([{$project:{_id:0,Team:'$_id',NoTimeWon:'$value'}},{ $sort:{NoTimeWon:-1}},{ $limit:3}])  
[  
  { Team: 'Sporting Charleroi(CHA)', NoTimeWon: 8 },  
  { Team: 'Sint-Truidense VV(STT)', NoTimeWon: 6 },  
  { Team: 'Sporting Lokeren(LOK)', NoTimeWon: 5 }  
]  
FIFAWorldCup>
```

8. Find Number of Played Matches of each Player in each Season:

```
var map = function(){
    for(var index=0;index<this.HomeTeam.Players.length;index++)
        emit({Season:this.Season,Fifald:this.HomeTeam.Players[index].Fifald},1);

    for(var index=0;index<this.AwayTeam.Players.length;index++)
        emit({Season:this.Season,Fifald:this.AwayTeam.Players[index].Fifald},1);
}

var reduce = function(key,value){return Array.sum(value);}

db.Matches.mapReduce(map,reduce,{out:"PlayersSeasonPlayedMatch"})

db.PlayersSeasonPlayedMatch.aggregate([{$project:{_id:0,Season:'$_id.Season', Fifald:'$_id.Fifald',
MatchPlayed:'$value'}},{ $sort:{Season:1}}])
```



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
FIFAWorldCup> db.PlayersSeasonPlayedMatch.aggregate([{$project:{_id:0,Season:'$_id.Season', Fifald:'$_id.Fifald', MatchPlayed:'$value'}},{ $sort:{Season:1}}])
[
  { Season: '2008/2009', FifaId: 116494, MatchPlayed: 37 },
  { Season: '2008/2009', FifaId: 156385, MatchPlayed: 17 },
  { Season: '2008/2009', FifaId: 175911, MatchPlayed: 7 },
  { Season: '2008/2009', FifaId: 183387, MatchPlayed: 2 },
  { Season: '2008/2009', FifaId: 7455, MatchPlayed: 8 },
  { Season: '2008/2009', FifaId: 111023, MatchPlayed: 11 },
  { Season: '2008/2009', FifaId: 21146, MatchPlayed: 24 },
  { Season: '2008/2009', FifaId: 187051, MatchPlayed: 3 },
  { Season: '2008/2009', FifaId: 45167, MatchPlayed: 5 },
  { Season: '2008/2009', FifaId: 134906, MatchPlayed: 25 },
  { Season: '2008/2009', FifaId: 100143, MatchPlayed: 10 },
  { Season: '2008/2009', FifaId: 165429, MatchPlayed: 4 },
  { Season: '2008/2009', FifaId: 163662, MatchPlayed: 5 },
  { Season: '2008/2009', FifaId: 189261, MatchPlayed: 29 },
  { Season: '2008/2009', FifaId: 25420, MatchPlayed: 24 },
  { Season: '2008/2009', FifaId: 101473, MatchPlayed: 3 },
  { Season: '2008/2009', FifaId: 157191, MatchPlayed: 13 },
  { Season: '2008/2009', FifaId: 167990, MatchPlayed: 36 },
  { Season: '2008/2009', FifaId: 178056, MatchPlayed: 9 },
  { Season: '2008/2009', FifaId: 137733, MatchPlayed: 2 }
]
Type "it" for more
FIFAWorldCup>
```

9. Find Top 3 Players, who Played most:

```
var map = function(){
    for(var index=0;index<this.HomeTeam.Players.length;index++)
        emit(this.HomeTeam.Players[index].FifaId,1);

    for(var index=0;index<this.AwayTeam.Players.length;index++)
        emit(this.AwayTeam.Players[index].FifaId,1);
}

var reduce = function(key,value){return Array.sum(value);}

db.Matches.mapReduce(map,reduce,{out:"PlayersPlayedMatch"})
db.PlayersPlayedMatch.aggregate([
    {$project:{_id:0,FifaId:"$_id",MatchPlayed:"$value"}},
    {$sort:{MatchPlayed:-1}},
    {$limit:3},{$lookup:{from:'Players',localField:'FifaId',foreignField:'FifaId',as:'Details'}},
    {$unwind:'$Details'},
    {$project:{_id:0,FifaId:"$FifaId",Name:'$Details.Name',MatchPlayed:"$MatchPlayed",Performance:'$Details.Performance.OverallRating'}}
])
```

```
FIFAWorldCup> db.PlayersPlayedMatch.aggregate([{$project:{_id:0,FifaId:"$_id",MatchPlayed:"$value"}},{$sort:{MatchPlayed:-1}},{$limit:3},{$lookup
FIFAWorldCup> db.PlayersPlayedMatch.aggregate([{$project:{_id:0,FifaId:"$_id",MatchPlayed:"$value"}},{$sort:{MatchPlayed:-1}},{$limit:3},{$lookup
:{$from:'Players',localField:'FifaId',foreignField:'FifaId',as:'Details'}},{$unwind:'$Details'},{$project:{_id:0,FifaId:"$FifaId",Name:'$Details.N
ame',MatchPlayed:"$MatchPlayed",Performance:'$Details.Performance.OverallRating'}}])
[
  { FifaId: 163705, Name: 'Steve Mandanda', MatchPlayed: 300 },
  { FifaId: 167628, Name: 'Stephane Ruffier', MatchPlayed: 294 },
  {
    FifaId: 167948,
    Name: 'Hugo Lloris',
    MatchPlayed: 282,
    Performance: 83
  }
]
FIFAWorldCup> ■
```

10. Find Top 3 High Performance Players:

Query: `db.Players.find().sort({'Performance.OverallRating':-1}).limit(3)`

```
mongosh mongod://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
FIFAWorldCup> db.Players.find().sort({'Performance.OverallRating':-1}).limit(3)
[
  {
    _id: 6176,
    FifaId: 158023,
    Name: 'Lionel Messi',
    DOB: '1987-06-24 00:00:00',
    Height: 170,
    Weight: 159,
    Performance: { OverallRating: 92, Balance: 92, Stamina: 78, Strength: 60 }
  },
  {
    _id: 1995,
    FifaId: 20801,
    Name: 'Cristiano Ronaldo',
    DOB: '1985-02-05 00:00:00',
    Height: 185,
    Weight: 176,
    Performance: { OverallRating: 91, Balance: 74, Stamina: 88, Strength: 79 }
  },
  {
    _id: 742,
    FifaId: 41,
    Name: 'Andres Iniesta',
    DOB: '1984-05-11 00:00:00',
    Height: 170,
    Weight: 150,
    Performance: { OverallRating: 88, Balance: 86, Stamina: 78, Strength: 60 }
  }
]
FIFAWorldCup> █
```

11. Find The most competitor Teams:

```
var map = function(){  
    emit({HomeTeam:this.HomeTeam.Name,AwayTeam:this.AwayTeam.Name},1);  
    emit({HomeTeam:this.AwayTeam.Name,AwayTeam:this.HomeTeam.Name},1);  
}  
  
var reduce = function(key,value){return Array.sum(value);}  
  
db.Matches.mapReduce(map,reduce,{out:"Competitors"})  
  
db.Competitors.aggregate([  
    {$sort:{value: -1}},  
    {$project:{_id:0,Team1:'$_id.HomeTeam',Team2:'$_id.AwayTeam', MatchPlayed:'$value'}}  
])
```



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000  
FIFAWorldCup> db.Competitors.aggregate([{$sort:{value: -1}},{$project:{_id:0,Team1:'$_id.HomeTeam',Team2:'$_id.AwayTeam', MatchPlayed:'$value'}}])  
[  
  {  
    Team1: 'Manchester City(MCI)',  
    Team2: 'Sunderland(SUN)',  
    MatchPlayed: 16  
  },  
  {  
    Team1: 'Everton(EVE)', Team2: 'Liverpool(LIV)', MatchPlayed: 16 },  
  {  
    Team1: 'Sunderland(SUN)', Team2: 'Chelsea(CHE)', MatchPlayed: 16 },  
  {  
    Team1: 'Chelsea(CHE)', Team2: 'Liverpool(LIV)', MatchPlayed: 16 },  
  {  
    Team1: 'Everton(EVE)', Team2: 'Sunderland(SUN)', MatchPlayed: 16 },  
  {  
    Team1: 'Stoke City(STK)',  
    Team2: 'Tottenham Hotspur(TOT)',  
    MatchPlayed: 16  
  },  
  {  
    Team1: 'OGC Nice(NIC)',  
    Team2: 'Toulouse FC(TOU)',  
    MatchPlayed: 16  
  },  
  {  
    Team1: 'Aston Villa(AVL)', Team2: 'Everton(EVE)', MatchPlayed: 16 },  
  {  
    Team1: 'FC Lorient(LOR)',  
    Team2: 'Girondins de Bordeaux(BOR)',  
    MatchPlayed: 16  
  },  
  {  
    Team1: 'Sunderland(SUN)',  
    Team2: 'Manchester City(MCI)',  
    MatchPlayed: 16  
  },  
  {  
    Team1: 'Arsenal(ARS)',  
    Team2: 'Manchester City(MCI)',  
    MatchPlayed: 16  
  }  
]
```

12. Find Total Number of Matches Played Between 2011-01-01 and 2012-12-31:

Query: `db.Matches.find({$and:[{Date:{$gte:"2011-01-01"}},{Date:{$lte:"2012-12-31"}}]}).count()`

```
FIFAWorldCup> db.Matches.find({$and:[{Date:{$gte:"2011-01-01"}},{Date:{$lte:"2012-12-31"}}]}).count()
2635
FIFAWorldCup> █
```

13. Find Date on which most Matches played:

Query: `db.Matches.aggregate([{$group:{_id:"$Date",MatchPlayed:{$sum:1}}},{ $sort:{MatchPlayed: -1}},{ $project:{_id:0,Date:'$_id',MatchPlayed:'$MatchPlayed'}},{ $limit:5}])`

```
FIFAWorldCup> db.Matches.aggregate([{$group:{_id:"$Date",MatchPlayed:{$sum:1}}},{ $sort:{MatchPlayed: -1}},{ $project:{_id:0,Date:'$_id',MatchPlayed:'$MatchPlayed'}},{ $limit:5}])
[
  { Date: '2009-05-16 00:00:00', MatchPlayed: 31 },
  { Date: '2011-02-12 00:00:00', MatchPlayed: 28 },
  { Date: '2009-08-15 00:00:00', MatchPlayed: 28 },
  { Date: '2009-04-11 00:00:00', MatchPlayed: 28 },
  { Date: '2011-09-24 00:00:00', MatchPlayed: 27 }
]
FIFAWorldCup>
```