Q1 Script: db.country.find({"GNP": {$gte: 10000, $lte: 15000}}, {_id: 0, Name: 1})
OUTPUT:
{ Name: 'Bulgaria' },
{ Name: 'Belarus' },
{ Name: 'Brunei' },
{ Name: 'CÃ´te dÂ'Ivoire' },
{ Name: 'Costa Rica' },
{ Name: 'Iraq' },
{ Name: 'Lithuania' },
{ Name: 'Sudan' },
{ Name: 'El Salvador' },
{ Name: 'Uzbekistan' }

Q2 Script: db.country.find({$where:"/.*0.*/.test(this.Capital)"}).count()
OUTPUT:
63

Q3 Script: db.country.distinct("Continent").length
OUTPUT:
7

Q4 Script: db.country.aggregate({$sort: {GNP: -1}}, {$project: {_id: 0, Name:1, GNP:1}}, {$limit: 5})
OUTPUT:
{ Name: 'United States', GNP: 8510700 },
{ Name: 'Japan', GNP: 3787042 },
{ Name: 'Germany', GNP: 2133367 },
{ Name: 'France', GNP: 1424285 },
{ Name: 'United Kingdom', GNP: 1378330 }

Q5) Script: db.countrylanguage.distinct("Language", {"IsOfficial": 'T', "Percentage": {$gte: 95.0}})
OUTPUT:
'Albaniana',   'Arabic',
'Bengali',   'Dhivehi',
'Dutch',   'English',
'Faroese',   'Greek',
'Hungarian',   'Icelandic',
'Italian',   'Japanese',
'Kiribati',   'Kirundi',
'Korean',   'Malagasy',
'Maltese',   'Marshallese',
'Norwegian',   'Polish',
'Portuguese',   'Rwanda',
'Serbo-Croatian', 'Somali',

'Spanish',   'Tongan'

Q6) Script: db.city.find({"Name":/Los/i, "Population": {$gte: 200000}}, {_id:0, Name: 1})
OUTPUT:
 { Name: 'Santiago de los Caballeros' },
 { Name: 'Santo Domingo de los Colorados' },
 { Name: 'Ecatepec de Morelos' },
 { Name: 'San NicolÃ¡s de los Garza' },
 { Name: 'Los Angeles' }

Q7) Script: db.country.aggregate({$group: {_id: "$Continent", avg_val: {$avg : "$GNP"}}})
OUTPUT:
{ _id: 'Africa', avg_val: 10006.465517241379 },
{ _id: 'South America', avg_val: 107991 },
{ _id: 'Oceania', avg_val: 14991.953571428572 },
{ _id: 'North America', avg_val: 261854.78918918918 },
{ _id: 'Europe', avg_val: 206497.0652173913 },
{ _id: 'Asia', avg_val: 150105.72549019608 },
{ _id: 'Antarctica', avg_val: 0 }