Atividade-11

**a)**

db.createCollection("projeto", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "numeroProjeto", "nomeProjeto" ],

properties: {

"numeroProjeto" : { bsonType: "int" },

"nomeProjeto" : { bsonType: "string" },

}

}

}

});

db.createCollection("gerente", {

validator: {

$jsonSchema : {

bsonType: "object",

required: ["numeroGerente", "nomeGerente"],

properties: {

"numeroGerente" : {bsonType: "int" } ,

"nomeGerente" : { bsonType: "string" },

}

}

}

});

db.createCollection(“empregado”,{

validator:{

$jsonSchema : {

bsonType: “object”,

required: [“numero\_empregado”],

properties: {

“numero\_empregado”: {bsonType: “int”},

“horas\_trabalhadas\_projetos”: {bsonType: “int”},

}

}}

});

db.createCollection(“departamento”,{

validator:{

$jsonSchema : {

bsonType: “object”,

required: [“numero\_dpto”, “nome\_dpto”],

properties: {

“numero\_dpto”: {bsonType: “int”},

“nome\_dpto”: {bsonType: “string”, maxLegnth: 100}

}

}}

}) ;

**b)**

db.createCollection("pedido", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "cod\_pedido", “dat\_emissao” ],

properties: {

“cod\_pedido” : {bsonType: “int”},

“dat\_emissao”: {bsonType: “date”}

}

}

}

});

db.createCollection(“fornecedor”,{

validator:{

$jsonSchema: {

bsonType: “object”,

required: [“cod\_fornecedor”, “nome\_fornecedor”],

properties: {

“cod\_fornecedor” : {bsonType: “int”},

“nome\_fornecedor”: {bsonType: “string”, maxLegnth: 100}

}

}}

});

db.createCollection(“material”,{

validator:{

$jsonSchema : {

bsonType: “object”,

required: [“cod\_material”, “dsc\_material”, vlr\_unitario],

properties: {

“cod\_material” : {bsonType: “int”},

“dsc\_material”: {bsonType: “string”, maxLegnth: 100},

“vlr\_unitario”: {bsonType: “int”’}

}

}}

});

**c)**

db.createCollection("aluno", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "nome\_aluno" ],

properties: {

"nome\_aluno": {bsonType: "string" maxLength: 100},

"email\_aluno": {bsonType: "string", maxLength: 100}},

"fone\_contato": {bsonType: "string", maxLength: 14}

}

}

}

});

db.createCollection("curso", {

validator: {

$jsonScohema : {

bsonType: "object",

required: [ "nome\_curso" ],

prperties: {

"nome\_curso": {bsonType: "string", maxLength: 100},

"carga\_horaria": {bsonType: "int", minimum: 0}}

}

}

}

});

db.createCollection("turma", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "id\_curso, id\_aluno, data\_matricula" ],

properties: {

"id\_curso": {bsonType: "objectId"},

"id\_aluno": {bsonType: "objectId"},

"data\_matricula": {bsonType: "date"}

}

}

}

});

**d)**

db.createCollection("medico", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "cod\_medico", “nome\_medico”, “cod\_especialidade” ],

properties: {

“cod\_medico” : {bsonType: “int”},

“nome\_medico”: {bsonType: “string”, maxLegnth: 100},

“cod\_especialidade”: {bsonType: “int”}

}

}

}

});

db.createCollection(“especialidade", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "dsc \_especialidade” ],

properties: {

“dsc\_especialidade”: {bsonType: “string”, maxLegnth: 100}

}

}

}

});

db.createCollection("consulta", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "id\_medico", “id\_consulta”, “id\_paciente”, “data\_consulta” ],

properties: {

“id\_medico” : {bsonType: “objectId”},

“id\_consulta”: { {bsonType: “objectId”},

“id\_paciente”: {bsonType: “objectId”},

“data\_consulta” : {bsonType: “date”}

}

}

}

});

db.createCollection("paciente", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ “id\_paciente”, “nome\_paciente” ],

properties: {

“id\_paciente”: {bsonType: “objectId”},

“nome\_paciente” : {bsonType: “string”, maxLegnth: 100}

}

}

}

});

**e)**

db.createCollection("livro", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "id\_livro", “num\_isbn”, “tit\_livro”, “cod\_editora” ],

properties: {

“id\_livro” : {bsonType: “objectId”},

“num\_isbn” : {bsonType: “int”, maxLegnth: 13},

“tit\_livro” : {bsonType: “string”, maxLegnth: 100},

“cod\_editora”: {bsonType: “int”}

}

}

}

});

db.createCollection("editora", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "nom\_editora” ],

properties: {

“nom\_editora”: {bsonType: “string”, maxLegnth: 100}

}

}

}

});

db.createCollection("emprestimo", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ "id\_livro", “id\_emprestimo”, “id\_aluno”, “dat\_emprestimo” ],

properties: {

“id\_livro” : {bsonType: “objectId”},

“id\_emprestimo” : {bsonType: “objectId”},

“id\_aluno” : {bsonType: “objectId”},

“dat\_emprestimo”: {bsonType: “date”}

}

}

}

});;

db.createCollection("aluno", {

validator: {

$jsonSchema : {

bsonType: "object",

required: [ “id\_aluno”, “num\_matricula”, “nom\_aluno” ],

properties: {

“num\_matricula” : {bsonType: “int”}

“id\_aluno” : {bsonType: “objectId”},

“nom\_aluno”: {bsonType: “string”, maxLegnth: 100}

}

}

}

});