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db.createCollection('student');  
db.student.insert({roll:1,name:'navin',sub:'DMSA',marks:78});  
db.student.insert({roll:2,name:'anusha',sub:'OSD',marks:75});  
db.student.insert({roll:3,name:'ravi',sub:'TOC',marks:69});  
db.student.insert({roll:4,name:'veena',sub:'TOC',marks:70});  
db.student.insert({roll:5,name:'pravini',sub:'OSD',marks:80});  
db.student.insert({roll:6,name:'reena',sub:'DMSA',marks:50});  
db.student.insert({roll:7,name:'geeta',sub:'CN',marks:90});  
db.student.insert({roll:8,name:'akash',sub:'CN',marks:85});  
  
//AGGREGATION:  
  
//db.student.aggregate([{$group:{\_id:'$sub',max:{'$max':'$marks'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',min:{'$min':'$marks'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',sum:{'$sum':'$marks'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',avg:{'$avg':'$marks'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',first:{'$first':'$$ROOT'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',last:{'$last':'$$ROOT'}}}]);  
//db.student.aggregate([{$group:{\_id:'$sub',count:{'$sum':1}}}])  
  
///INDEXES:  
  
//db.student.createIndex({roll:1});  
//db.student.getIndexes();  
//db.student.createIndex({roll:1,name:1,sub:1});  
//db.student.getIndexes();  
//db.student.createIndex({roll:1},{unique:true});  
//db.student.getIndexes();  
//db.student.dropIndexes();  
//db.student.getIndexes();