**Exercise 3**

**=> Create database EMP and Make Collection With name "EMPL" and Follow Queries**  
  
**=>Created Database**  
> use emp  
 switched to DB emp  
  
**=>Create Collection**  
> db.createCollection("empl")  
 **=>Insert Records Into EMPL Collection**  
> db.empl.insert([  
 {no:1,name:"ST",salary:2000,role:"OB"},  
 {no:2,name:"MSD",salary:1500,role:"WK"},  
 {no:3,name:"YS",salary:1000,role:"ALR"},  
 {no:4,name:"RD",salary:1000,role:"MOB"},  
 {no:5,name:"RS",salary:500,role:"OB"},  
 {no:6,name:"BK",salary:500,role:"MOB"},  
 {no:7,name:"VK",salary:300,role:"BW"},  
 {no:8,name:"JB",salary:400,role:"BW"},  
 {no:9,name:"HP",salary:400,role:"ALR"},  
 {no:10,name:"VS",salary:300,role:"OB"}])  
 **=>Display Data in Proper Format**   
>db.empl.find().pretty()  
 **=>Update Salary Of Employee where Name is "ST" by +8000**  
>db.empl.update({name:"ST"},{[**$inc:**](https://codingonly4u.blogspot.com/2018/07/mongodb-exercises-practice-solution.html){salary:8000}})  
 **=>Update Salary Of All Employee by giving an increment of +4000 each**  
>db.empl.update({},{**$inc:**{salary:4000}},{multi:true})  
 **=>update role of "MSD" as "C and WK"**  
>db.empl.update({name:"MSD"},{**$set:**{role:"c and WK"}})  
 **=>Add a New Field remark to document with name "RS" set Remark as WC**  
>db.emp.update({name:"RS"},{**$set:**{remark:"WC"}})  
 **=>Add a New Field As Number 11,name AK,Salary 10000,role coch without using insert statement. But for Doing So You should have a Record Added woth number 11.**  
>db.empl.update({no:11},{**$set:**{no:11,name:"AK",salary:10000,role:"coch"}},{upsert:true})  
 **=>remove added New Field**  
>db.empl.update({name:"RD"},{**$unset:**{remark:"WC"}})  
 **=>Update the Field "RD" by multiplying with salary by 2**  
>db.empl.update({name:"RD"},{**$mul:**{salary:2}})  
  
**=>To Find Document From the empl collection where name begins with S**  
>db.empl.find({name:**/^**S**/**})  
  
**=>To Find Document From the empl collection where name begins with R**  
>db.empl.find({name:**/^**R**/**})  
  
**=>To Find Document From the empl collection where name ends with K**  
>db.empl.find({name:**/**K**$/**})  
  
**=>To Find Document From the empl collection where name ends with D**  
>db.empl.find({name:**/**D**$/**})  
  
**=>To Find Document From the empl collection where name has S in any position**  
>db.empl.find({name:**/**S**/**})  
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**Regular Expression**  
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**=> To Find Document From the empl collection where name begins with S**  
>db.empl.find({name:{**$regex:**"^S"}})  
  
**=> To Find Document From the empl collection where name begins with S**  
>db.empl.find({name:{**$regex**:"S",**$options**:"i"}})  
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 **Use of $in and $nin (**[**in and notin**](https://codingonly4u.blogspot.com/2018/07/mongodb-exercises-practice-solution.html)**)**  
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**(Note: There will not use {} braces in that $in and $nin)**

**=> Display Documents where in empl collection Field have OB,MOB**  
>db.empl.find({role:{**$in**:["OB","MOB"]}})  
  
**=> Display Documents where in empl collection Field not have OB,MOB**  
>db.empl.find({role:{**$nin**:["OB","MOB"]}})