**Create**

> use comp

switched to db comp

> db.createCollection ('website')

{ "ok" : 1 }

**Insert**

> db.website.insert({'roll':'1','name':'harsh','amount':1000,'ur1':'www.yahoo.com'})

WriteResult({ "nInserted" : 1 })

> db.website.insert({'roll':'2','name':'jitesh','amount':2000,'ur1':'www.yahoo.com'})

WriteResult({ "nInserted" : 1 })

> db.website.insert({'roll':'3','name':'rina','amount':3000,'ur1':'www.google.com'})

WriteResult({ "nInserted" : 1 })

> db.website.insert({'roll':'4','name':'ash','amount':4000,'ur1':'www.gmail.com'})

WriteResult({ "nInserted" : 1 })

> db.website.insert({'roll':'5','name':'ash','amount':1000,'ur1':'www.pvg.com'})

WriteResult({ "nInserted" : 1 })

**Sum aggregate**

> db.website.aggregate({$group:{\_id:"$name","total":{$sum:"$amount"}}})

{ "\_id" : "jitesh", "total" : 2000 }

{ "\_id" : "ash", "total" : 5000 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

**Avg aggregate**

> db.website.aggregate({$group:{\_id:"$name","total":{$avg:"$amount"}}})

{ "\_id" : "jitesh", "total" : 2000 }

{ "\_id" : "ash", "total" : 2500 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

**Min aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$min:"$amount"}}})

{ "\_id" : "jitesh", "total" : 2000 }

{ "\_id" : "ash", "total" : 1000 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

**Max aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$max:"$amount"}}})

{ "\_id" : "jitesh", "total" : 2000 }

{ "\_id" : "ash", "total" : 4000 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

**First aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$first:"$amount"}}})

{ "\_id" : "jitesh", "total" : 2000 }

{ "\_id" : "ash", "total" : 4000 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

**Last aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$last:"$amount"}}})

{ "\_id" : "ash", "total" : 1000 }

{ "\_id" : "rina", "total" : 3000 }

{ "\_id" : "harsh", "total" : 1000 }

{ "\_id" : "jitesh", "total" : 2000 }

**Push aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$push:"$amount"}}})

{ "\_id" : "jitesh", "total" : [ 2000 ] }

{ "\_id" : "ash", "total" : [ 4000, 1000 ] }

{ "\_id" : "rina", "total" : [ 3000 ] }

{ "\_id" : "harsh", "total" : [ 1000 ] }

**Count aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$sum:1}}})

{ "\_id" : "rina", "total" : 1 }

{ "\_id" : "ash", "total" : 2 }

{ "\_id" : "jitesh", "total" : 1 }

{ "\_id" : "harsh", "total" : 1 }

**Add To Set aggregation**

> db.website.aggregate({$group:{\_id:"$name","total":{$addToSet:"$amount"}}})

{ "\_id" : "rina", "total" : [ 3000 ] }

{ "\_id" : "ash", "total" : [ 1000, 4000 ] }

{ "\_id" : "jitesh", "total" : [ 2000 ] }

{ "\_id" : "harsh", "total" : [1000 ] }