2.aggtregate

**//INSERT**

db.Website.insertMany([{'Roll':1,'Name':'Harsh','Amount':2000,'URL':'www.yahoo.com'},{'Roll':2,'Name':'Jithesh','Amount':3000,'URL':'www.google.com'},{'Roll':3,'Name':'Rina','Amount':4000,'URL':'www.facebook.com'},{'Roll':4,'Name':'Ash','Amount':5000,'URL':'www.email.com'},{'Roll':5,'Name':'Ash','Amount':1000,'URL':'www.yahoo.com'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('66276da0cf7036445f9f990a'),

'1': ObjectId('66276da0cf7036445f9f990b'),

'2': ObjectId('66276da0cf7036445f9f990c'),

'3': ObjectId('66276da0cf7036445f9f990d'),

'4': ObjectId('66276da0cf7036445f9f990e')

}

}

**//FIND**

Anjali> db.Website.find()

[

{

\_id: ObjectId('66276da0cf7036445f9f990a'),

Roll: 1,

Name: 'Harsh',

Amount: 2000,

URL: 'www.yahoo.com'

},

{

\_id: ObjectId('66276da0cf7036445f9f990b'),

Roll: 2,

Name: 'Jithesh',

Amount: 3000,

URL: 'www.google.com'

},

{

\_id: ObjectId('66276da0cf7036445f9f990c'),

Roll: 3,

Name: 'Rina',

Amount: 4000,

URL: 'www.facebook.com'

},

{

\_id: ObjectId('66276da0cf7036445f9f990d'),

Roll: 4,

Name: 'Ash',

Amount: 5000,

URL: 'www.email.com'

},

{

\_id: ObjectId('66276da0cf7036445f9f990e'),

Roll: 5,

Name: 'Ash',

Amount: 1000,

URL: 'www.yahoo.com'

}

]

**//SUM**

Anjali> db.Website.aggregate({$group:{\_id:'Name','Total':{$sum:'$Amount'}}})

[ { \_id: 'Name', Total: 15000 } ]

**//AVG**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$avg:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: 3000 },

{ \_id: 'Harsh', Total: 2000 },

{ \_id: 'Rina', Total: 4000 },

{ \_id: 'Ash', Total: 3000 }

]

**//MIN**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$min:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: 3000 },

{ \_id: 'Ash', Total: 1000 },

{ \_id: 'Rina', Total: 4000 },

{ \_id: 'Harsh', Total: 2000 }

]

**//MAX**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$max:'$Amount'}}})

[

{ \_id: 'Harsh', Total: 2000 },

{ \_id: 'Ash', Total: 5000 },

{ \_id: 'Rina', Total: 4000 },

{ \_id: 'Jithesh', Total: 3000 }

]

**//FIRST**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$first:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: 3000 },

{ \_id: 'Harsh', Total: 2000 },

{ \_id: 'Rina', Total: 4000 },

{ \_id: 'Ash', Total: 5000 }

]

**//LAST**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$last:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: 3000 },

{ \_id: 'Ash', Total: 1000 },

{ \_id: 'Rina', Total: 4000 },

{ \_id: 'Harsh', Total: 2000 }

]

**//PUSH**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$push:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: [ 3000 ] },

{ \_id: 'Ash', Total: [ 5000, 1000 ] },

{ \_id: 'Rina', Total: [ 4000 ] },

{ \_id: 'Harsh', Total: [ 2000 ] }

]

**//COUNT**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$sum:1}}})

[

{ \_id: 'Jithesh', Total: 1 },

{ \_id: 'Harsh', Total: 1 },

{ \_id: 'Rina', Total: 1 },

{ \_id: 'Ash', Total: 2 }

]

**//ADDTOSET**

Anjali> db.Website.aggregate({$group:{\_id:'$Name','Total':{$addToSet:'$Amount'}}})

[

{ \_id: 'Jithesh', Total: [ 3000 ] },

{ \_id: 'Harsh', Total: [ 2000 ] },

{ \_id: 'Rina', Total: [ 4000 ] },

{ \_id: 'Ash', Total: [ 5000, 1000 ] }

]