

SESIÓN 7:

RETO 1



```
1 {
2   _id: "$address.country",
3   recamaras: {
4     $sum: 1
5   },
6   total: {
7     $sum: "$costo_recamara"
8   }
9 }
```

☰ ▼ \$addFields ☒

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```
1 {
2   pais: "$_id",
3   costo_promedio: {$divide: ["$total", "$recamaras"]}
4 }
```

☰ ▼ \$project ☒

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```
1 {
2   _id:0,
3   pais:1,
4   costo_promedio:1
5 }
```

ADD STAGE

RETO 2

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\$lookup

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```
1 {
2   from: 'users',
3   localField: 'name',
4   foreignField: 'name',
5   as: 'usuario'
6 }
```

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\$addFields

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```
1 {
2   usuario_objeto: {$arrayElemAt: ["$usuario", 0]}
3 }
```

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\$addFields

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```
1 {
2   usuario_password: "$usuario_objeto.password"
3 }
```

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\$project

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```
1 {
2   _id:0,
3   name:1,
4   email:1,
5   usuario_password:1
6 }
```

Output after `$project` stage (Sample of 20 documents)

```
name: "Mercedes Tyler"
email: "mercedes_tyler@fakegmail.com"
usuario_password: "$2b$12$ONDwIwR9NKF1Tp5GjGI12e80FMxPE"
```

```
name: "Emily Ellis"
email: "emily_ellis@fakegmail.com"
usuario_password: "$2b$12$Uucb5RqPEgheoLlwOF/Jb."
```

RETO 3

The screenshot shows the MongoDB Compass interface. On the left, the 'Local' sidebar lists databases and collections. The 'sample_mflix' database is expanded, and the 'RETO2' collection is selected. The main panel shows the 'sample_mflix.RETO2' collection with a 'Documents' tab active. It displays a list of documents with the following fields: name, email, and usuario_password. The first document is for 'Greg Powell'.

name	email	usuario_password
"Greg Powell"	"greg_powell@fakegmail.com"	"\$2b\$12\$XpveUB6kIU3zG5aABw260tI87cDB5UNJA24wDF40XyNNJ/mp76"
"Sarah Lewis"	"sarah_lewis@fakegmail.com"	"\$2b\$12\$5KCUjCp3lVYSzhouVJTpoeCZ7e7Xke8gDOPgZuyz39tNkrp9om1a"
"Daario Naharis"	"michieli_huisman@gameofthron.es"	"\$2b\$12\$220q3Wq.Ob3Vr68TJkTCeSEV1JWt8Jm7/31f21v0A.jQkdhoBq"
"Viserys Targaryen"	"harry_lloyd@gameofthron.es"	"\$2b\$12\$cpwVMU4DyUqXgwpdrV3haudz6K0X1HRbf.tpcuHjpaqonuoyvvEG6"
"John Bishop"	"john_bishop@fakegmail.com"	"\$2b\$12\$ifnm6ZF1RQav4YFe2McpkuyYfp2ew.42QECH7dKEoD0weTFpQ8pCe"