Graphical user interface

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated with medium confidence

**Task**

1. Gabungkan (menampilkan) data buku dari author id 1 dan author id 2.

db.books.find({"$or":[{authorID:1}, {authorID:2}]})

Output:

Text

Description automatically generated

1. Tampilkan daftar buku dan harga author id 1.

db.books.find({authorID:1}, {title:1, price:1})

Output:

Text

Description automatically generated

1. Tampilan total jumlah halaman buku author id 2.

db.books.aggregate([

{$match : {authorID:2}},

{$group:{\_id:"$authorID", "totalPage":{$sum: "$stats.page"}}}

])

Output:

Text

Description automatically generated

1. Tampilkan semua field books and authors terkait.

db.authors.aggregate([{

$lookup : {

from: "books",

localField:"\_id",

foreignField:"authorID",

as : "books"

}

}])

Output 1:

Text

Description automatically generated

db.books.aggregate([{

$lookup: {

"from":"authors",

"localField":"authorID",

"foreignField":"\_id",

"as":"authors"

}

}])

Output 2:

Text

Description automatically generated

1. Tampilkan semua field books, authors, dan publishers terkait.

db.books.aggregate([

{$lookup:{

from:"authors",

localField:"authorID",

foreignField:"\_id",

as:"Author"

}},

{$lookup:{

from:"publishers",

localField:"publisherID",

foreignField:"\_id",

as:"Publisher"

}}

])

Output:

Text

Description automatically generated

1. Tampilkan summary data authors, books, dan publishers sesuai dengan Output.

Output:

1. Digital\_outlet ingin memberikan diskon untuk setiap buku, diskon di tentukan melihat harga buku tersebut dengan pembagian seperti ini.

|  |  |
| --- | --- |
| Price < 60.000 | 1 % |
| 60.000 < Price < 90.000 | 2 % |
| 90.000 < Price | 3 % |

Output:

$project: {

"title":1,

"price":1,

"promo" : {

$cond : [{$lt:["$price", 60000]}, '1%',

{$cond : [{$lt:["$price", 90000]}, '2%', '3%']}

]

}

}

}])

Output:

Text

Description automatically generated

1. Tampilkan semua nama buku, harga, nama author dan nama publisher, urutkan dari harga termahal ke termurah.

Output:

1. Tampilkan data nama buku harga dan publisher, kemudian tampilkan hanya data ke 3 dan ke 4.

Output: