1) db.getCollection('Topics').aggregate(

[

{

$lookup: {

from: 'tasks',

localField: 'topic',

foreignField: 'task',

as: 'topicdata'

}

},

{

$match: { topicDate: { $regex: '2020-10' } }

},

{

$project: {

\_id: 0,

topic: 1,

topicDate: 1,

'topic data.userld': 1,

'topic data.submitted': 1,

'topic data.task': 1

}

]

);

2) db.getCollection('companydrives').find({

driveDate: { $gte: '2020-10-01', $lte: '2020-10-31' } });

3) db.getCollection('companydrives').aggregate(

{

$lookup: {

from: 'users',

localField: 'userld',

foreignField: 'userld', as: 'studentinfo'

}

},

$project: {

id: 0,

'studentinfo.userName': 1,

company: 1,

driveDate: 1,

'studentinfo.userEmail': 1,

'studentinfo.userld': 1

}

}

],

);

4) db.getCollection('codekata').aggregate(

[

{

$lookup: {

from: 'users',

localField: 'userld',

foreignField: 'userld',

as: 'userDetails'

}

},

{ Sunwind: '$userDetails' },

{

$group: {

\_id: {

userld: 'Suserld',

userName: '$userDetails.userName'

},

problems\_solved: { $sum: 1 }

}

},

$project: {

\_id: 0,

problems\_solved: 1,

userld: '$\_id.userld',

userName: '$\_id.userName'

}

}],);

5) db.getCollection('mentors').find({ mentee Count: { $gt: 15 }})

6) db.getCollection('attendance').aggregate( [

{

$lookup: {

from: 'topics',

localField: 'topicld', foreignField: 'topicld',

as: 'absent'

}},

{

$lookup: {

from: 'tasks',

localField: 'userld',

foreignField: 'userld',

as: 'task-notSubmitted'

}

},

{ Sunwind: '$task-notSubmitted' },

{ Sunwind: '$absent' },

{

$match: {

attended: false,

'absent.topicDate': {

$gte: '2020-10-15',

}

$lte: '2020-10-31'

}

}

},

{

$match: {

'task-notSubmitted.dueDate': {

$gte: '2020-10-15',

$lte: '2020-10-31'

},

'task-notSubmitted.submitted': false

}

},

{ $project: {\_id: 0, 'absent\_id': 0 } }, { $project: { 'task-notSubmitted.\_id": 0 }}

],

);