

1)

```
> db.TopicsandTasks.find({month:"oct"},{topic:1,task:1,month:1,_id:0})
< {
  topic: 'css',
  task: 'create colorful Design using html&css',
  month: 'oct'
}
{
  topic: 'Javascript',
  task: 'create interactive website using html&css&js',
  month: 'oct'
}
{
  topic: 'Bootstrap',
  task: 'create colorful Design using Bootstrap',
  month: 'oct'
}
{
  topic: 'reactjs',
  task: 'create a Shopping cart design',
  month: 'oct'
}
```

```
{
  topic: 'MongoDB',
  task: 'create Database design for zenclass',
  month: 'oct'
}
{
  topic: 'nodejs',
  task: 'create URL shortender Application',
  month: 'oct'
}
{
  topic: 'expressjs',
  task: 'create user Authentication app',
  month: 'oct'
}
```

2)

```
db.TopicsandTasks.find({company:{$ne:""},month:"oct",day:{$gt:15}},{company:1,month:1,day:1,_id:0})
{
  company: 'accenture',
  month: 'oct',
  day: 17
}
{
  company: 'The first American',
  month: 'oct',
  day: 27
}
```

3)

Company Drives:

```
db.TopicsandTasks.find({company:{$ne:""}},{company:1,_id:0})
{
  company: 'tcs'
}
{
  company: 'microsoft'
}
{
  company: 'amazon'
}
{
  company: 'wibro'
}
{
  company: 'accenture'
}
{
  company: 'The first American'
}
```

Students Appeared for placement:

```
db.Details.find({company:{$ne:0}}, {user:1, _id:0})
{
  user: 'mahinder'
}
{
  user: 'tamil'
}
{
  user: 'praveen'
}
{
  user: 'sibi'
}
{
  user: 'anas'
}
{
  user: 'vishva'
}
{
  user: 'vijay'
}
```

```
{
  user: 'jeeva'
}
{
  user: 'karthick'
}
{
  user: 'vishnu'
}
```

4)

```
db.Details.find({codekata:{$ne:0}}, {user:1, codekata:1, _id:0})
{
  user: 'mahinder',
  codekata: 123
}
{
  user: 'prakash',
  codekata: 213
}
{
  user: 'tamil',
  codekata: 183
}
{
  user: 'kathir',
  codekata: 300
}
{
  user: 'praveen',
  codekata: 487
}
```

```

{
  user: 'sibi',
  codekata: 249
}
{
  user: 'madhi',
  codekata: 298
}
{
  user: 'anas',
  codekata: 463
}
{
  user: 'kalai',
  codekata: 49
}
{
  user: 'vishva',
  codekata: 357
}
{
  user: 'vijay',
  codekata: 246
}

```

```

{
  user: 'dhinesh',
  codekata: 210
}
{
  user: 'jeeva',
  codekata: 249
}
{
  user: 'karthick',
  codekata: 349
}
{
  user: 'vinoth',
  codekata: 149
}
{
  user: 'vishnu',
  codekata: 397
}
{
  user: 'dhanush',
  codekata: 189
}

```

5)

```

> db.Details.aggregate([{$group: {_id: "$mentor", count: {$sum: 1}}}, {$match: {count: {$gt: 14}}}]])
< {
  _id: 'shiva',
  count: 15
}

```

6)

```
db.Details.find({month:"oct",day:{$gt:15},Attendance:"absent",task:"Not submitted"},{user:1,_id:0})
{
  user: 'tamil'
}
{
  user: 'vijay'
}
{
  user: 'dhanush'
}
```