

```
// date format:  
// 2025-01-25T18:31:00Z  
  
// $year --> used to extract year  
// $month --> month, $dayOfMonth: --> day  
  
// orders after a date  
db.orders.aggregate([  
    {  
        $match: {  
            orderDate: {  
                $gte: ISODate("2024-01-01"),  
                $lte: ISODate("2024-12-31")  
            }  
        }  
    }  
]);  
// dateto string  
ex:  
db.orders.aggregate([  
    {  
        $project: {  
            orderMonth: {  
                $dateToString: { format: "%Y-%m", date: "$orderDate" }  
            }  
        }  
    }  
]);  
  
// $dayOfWeek, $week, $hour  
db.orders.aggregate([  
    {  
        $project: {  
            dayOfWeek: { $dayOfWeek: "$orderDate" }, // 1=Sun  
            week: { $week: "$orderDate" },  
            hour: { $hour: "$orderDate" }  
        }  
    }  
]);  
  
// last N days logic (very common)  
// orders in last 7days  
db.orders.aggregate([  
    {  
        $match: {  
            orderDate: {  
                $gte: new Date(Date.now() - 7 * 24 * 60 * 60 * 1000)  
            }  
        }  
    }  
]);
```

```
// $min/$max dates
db.orders.aggregate([
  {
    $group: {
      _id: null,
      firstOrder: { $min: "$orderDate" },
      lastOrder: { $max: "$orderDate" }
    }
  }
]);
```