



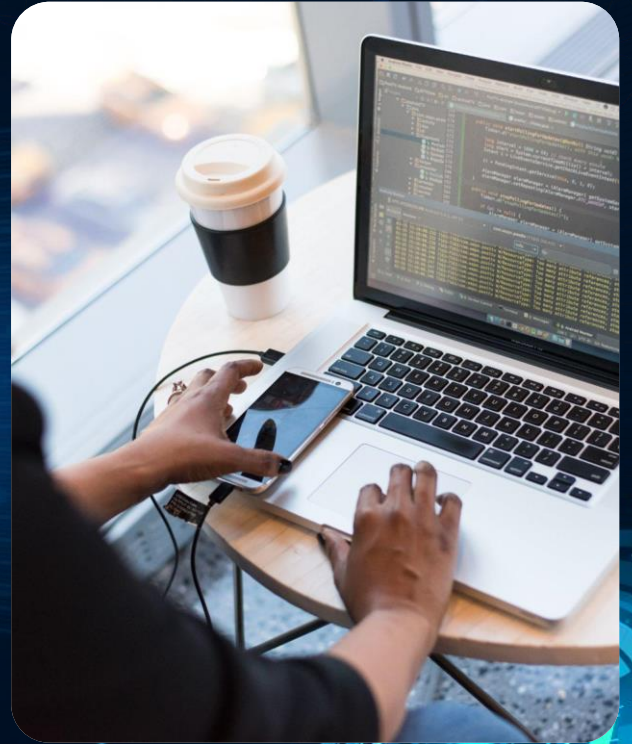
This Topic

SUM
ROUND
GROUP BY
HAVING

SUM

- We can sum any column which displays a value, and display it broken down by a certain field such as product or date.
- Name a column using AS
- Any non-aggregated column we displayed must be used in a group by clause

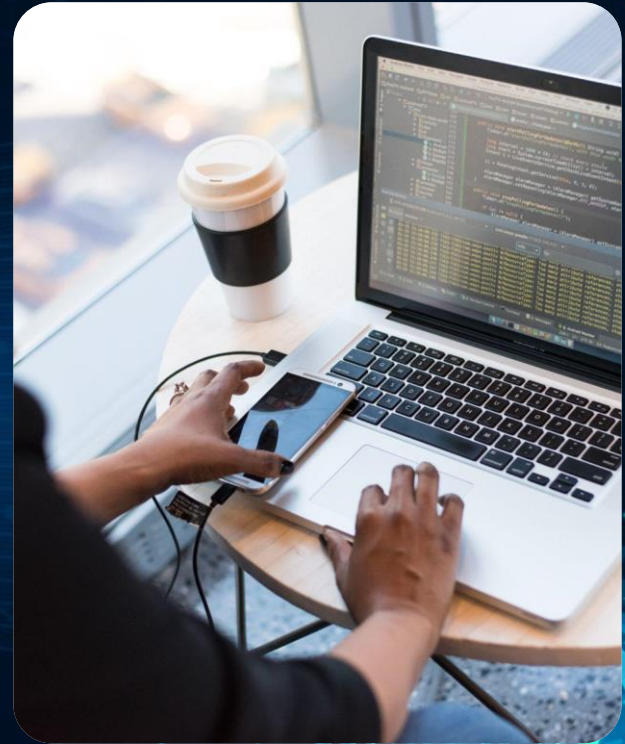
```
SELECT paymentDate, sum(amount) as total_payments  
  
FROM classicmodels.payments  
  
group by paymentDate;
```



ROUND

- The output of the previous query can be rounded to 1 decimal place by adding `ROUND(columnname, 1)`
- You can change the 1 to the desired amount of decimal places

```
SELECT paymentDate, round( sum(amount), 1) as total_payments  
FROM classicmodels.payments  
group by paymentDate;
```



HAVING

- Having is the same as WHERE, but is used after the group by clause with aggregate functions.

```
SELECT paymentDate, sum(amount) as total_payments  
FROM classicmodels.payments  
group by paymentDate  
having total_payments > 50000  
order by total_payments desc
```

