

LAB3 Google Big Query:

1. Upload files Drivers and Timesheet.
2. Apply two filters:

Filter data by wage_plan =miles and drivers with the distance less than 220000km

```
SELECT d.driverId, d.name, t.Total_hours, t.Total_km from `PirmaBaze.Drivers` d
```

```
JOIN (SELECT driverId, sum(hours_logged)Total_hours, ROUND(1.60934*sum(miles_logged),2)Total_km  
FROM `PirmaBaze.Timesheet` GROUP BY driverId order by driverid ) t
```

```
ON (d.driverId = t.driverId) WHERE wage_plan = 'hours' and Total_km<220000 order by Total_km;
```

Or build Query using Lab1_Tab1 fields.



Query results

[SAVE RESULTS](#)

[EXPLORE](#)

Query complete (2.5 sec elapsed, 42.4 KB processed)

Job information **Results** JSON Execution details

Row	driverId	name	Total_hours	Total_km
1	13	Joe Niemiec	2727	215854.34
2	24	Don Hilborn	2647	216393.47
3	20	Chris Harris	2644	216559.23
4	12	Paul Coddin	2639	218809.09
5	17	Eric Mizell	2701	218857.37
6	14	Adis Cesir	2781	219874.47
7	42	Randy Gelhausen	2697	219953.33

2. Add field km per hour

```
SELECT driverId, name, Total_hours,Total_km, Round(Total_km/Total_hours,2) Speed_km_h from  
`PirmaBaze.Lab3_Tab1` d
```

```
order by Total_km ASC;
```

Query results

[SAVE RESULTS](#)

[EXPLORE WITH I](#)

Query complete (0.6 sec elapsed, 263 B processed)

Job information **Results** JSON Execution details

Row	driverId	name	Total_hours	Total_km	Speed_km_h
1	13	Joe Niemiec	2727	215854.34	79.15
2	24	Don Hilborn	2647	216393.47	81.75
3	20	Chris Harris	2644	216559.23	81.91
4	12	Paul Coddin	2639	218809.09	82.91
5	17	Eric Mizell	2701	218857.37	81.03
6	14	Adis Cesir	2781	219874.47	79.06
7	42	Randy Gelhausen	2697	219953.33	81.55

Tool Data Studio : combined dashboard:

