



**SQL PROJECT -
CAR LAUNCH ANALYSIS IN UK MARKET
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DATA PREPARATION (SQL)

[HTTPS://SQLITEONLINE.COM/](https://sqliteonline.com/)

❖ Update Tables by adding “Brand” column to each car csv

```
ALTER TABLE Audi  
ADD Brand VARCHAR(50) DEFAULT 'Audi'
```

```
ALTER TABLE bmw  
ADD Brand VARCHAR(50) DEFAULT 'BMW'
```

```
ALTER TABLE hyundai  
ADD Brand VARCHAR(50) DEFAULT 'Hyundai'
```

```
ALTER TABLE merc  
ADD Brand VARCHAR(50) DEFAULT 'Mercedes'
```

❖ Union all the table into single table name “complete_table”

```
CREATE TABLE complete_table AS  
SELECT * FROM Audi  
UNION  
SELECT * FROM bmw  
UNION  
SELECT * FROM hyundai  
UNION  
SELECT * FROM merc
```

- ❖ **Dividing the range of price into three categories such as lower (below € 30000), middle (between € 30000-60000) and upper(above 60000).**

```
CREATE TABLE Final_table_income AS
SELECT *,
CASE
    WHEN price <= 30000 THEN 'Lower'
    WHEN price > 30000 and price <= 60000 THEN 'Middle'
    WHEN price > 60000 THEN 'Upper'
END AS Income_Class
FROM complete_table
```

- ❖ **Replace Transmission ID by Transmission Name**

```
CREATE TABLE final_table_transmission AS
SELECT *
FROM final_table as s INNER JOIN transmission as t
on s.transmission_id = t.ID

ALTER TABLE final_table_transmission
DROP COLUMN transmission_ID
```

❖ Replace Fueltype ID by Fuel type

```
CREATE TABLE main2 AS  
SELECT *  
FROM main1 as s INNER JOIN fueltype as f  
ON s.fuel_id = f.fuel_ID  
  
ALTER TABLE main2  
DROP COLUMN fuel_ID
```