



SQL Mini Project L1

Data Analytics SQL Mini-Project

Name : Sourav Dan

Batch : DS-05

Student Code : Sourav Dan (cds05_026)

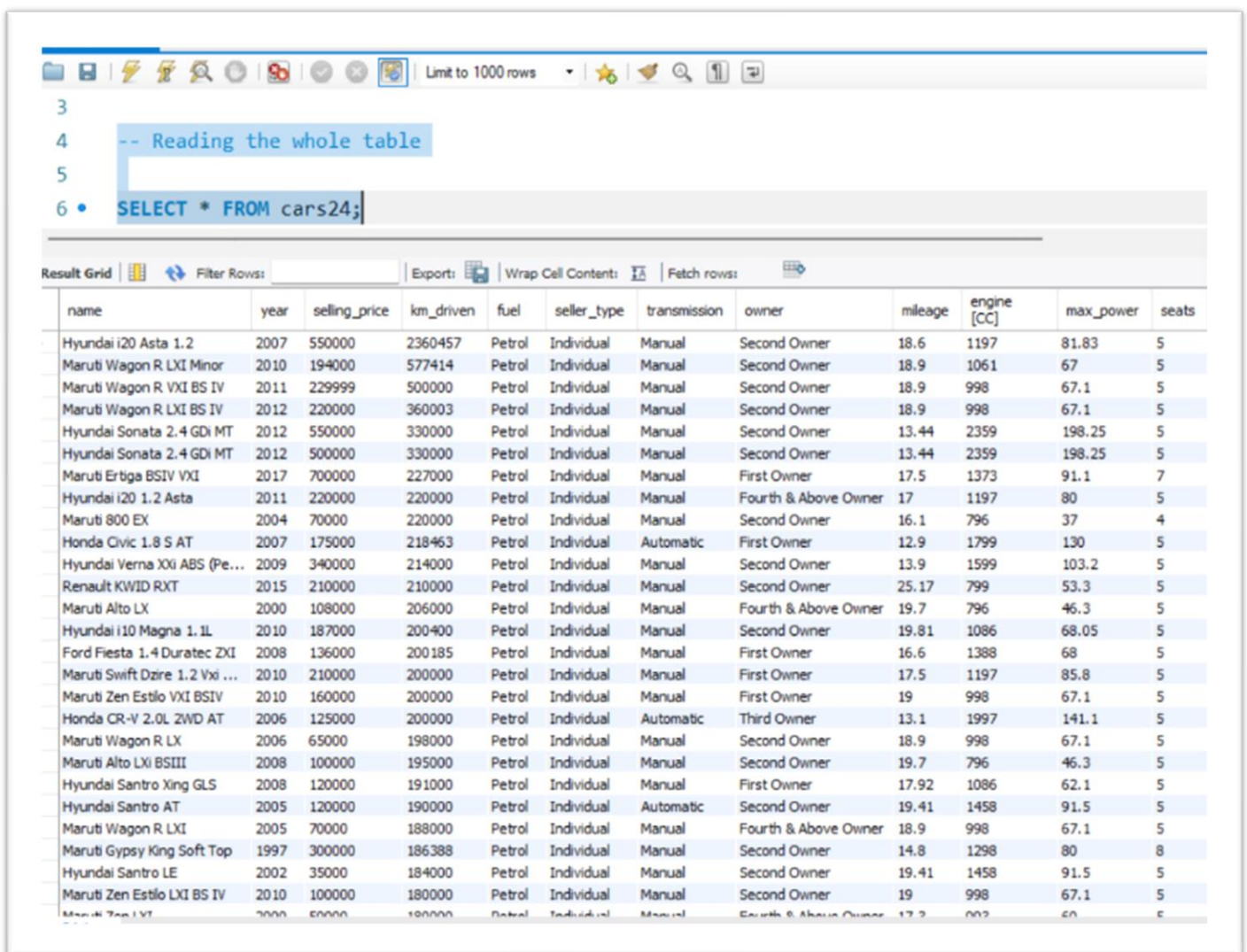


Data Analytics SQL Mini-Project

Insight number 1 –

-- Reading the whole table

```
SELECT * FROM cars24;
```



The screenshot shows a SQL query editor with the following SQL code:

```
3
4 -- Reading the whole table
5
6 • SELECT * FROM cars24;
```

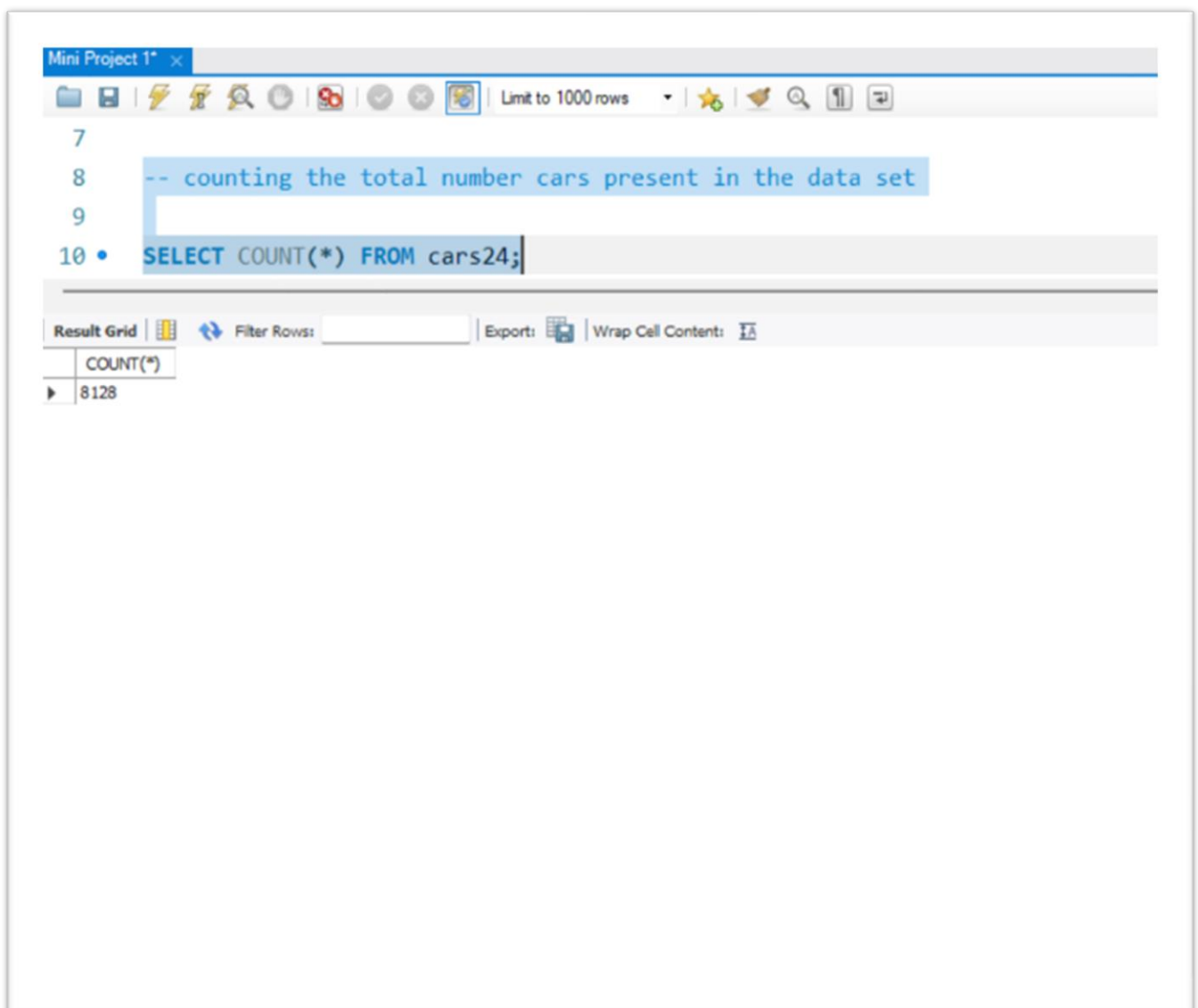
Below the query editor, the results are displayed in a table with the following columns: name, year, selling_price, km_driven, fuel, seller_type, transmission, owner, mileage, engine [CC], max_power, and seats. The table contains 30 rows of data.

| name | year | selling_price | km_driven | fuel | seller_type | transmission | owner | mileage | engine [CC] | max_power | seats |
|--------------------------------|------|---------------|-----------|--------|-------------|--------------|----------------------|---------|-------------|-----------|-------|
| Hyundai i20 Asta 1.2 | 2007 | 550000 | 2360457 | Petrol | Individual | Manual | Second Owner | 18.6 | 1197 | 81.83 | 5 |
| Maruti Wagon R LXI Minor | 2010 | 194000 | 577414 | Petrol | Individual | Manual | Second Owner | 18.9 | 1061 | 67 | 5 |
| Maruti Wagon R VXI BS IV | 2011 | 229999 | 500000 | Petrol | Individual | Manual | Second Owner | 18.9 | 998 | 67.1 | 5 |
| Maruti Wagon R LXI BS IV | 2012 | 220000 | 360003 | Petrol | Individual | Manual | Second Owner | 18.9 | 998 | 67.1 | 5 |
| Hyundai Sonata 2.4 GDI MT | 2012 | 550000 | 330000 | Petrol | Individual | Manual | Second Owner | 13.44 | 2359 | 198.25 | 5 |
| Hyundai Sonata 2.4 GDI MT | 2012 | 500000 | 330000 | Petrol | Individual | Manual | Second Owner | 13.44 | 2359 | 198.25 | 5 |
| Maruti Ertiga BSIV VXI | 2017 | 700000 | 227000 | Petrol | Individual | Manual | First Owner | 17.5 | 1373 | 91.1 | 7 |
| Hyundai i20 1.2 Asta | 2011 | 220000 | 220000 | Petrol | Individual | Manual | Fourth & Above Owner | 17 | 1197 | 80 | 5 |
| Maruti 800 EX | 2004 | 70000 | 220000 | Petrol | Individual | Manual | Second Owner | 16.1 | 796 | 37 | 4 |
| Honda Civic 1.8 S AT | 2007 | 175000 | 218463 | Petrol | Individual | Automatic | First Owner | 12.9 | 1799 | 130 | 5 |
| Hyundai Verna Xxi ABS (Pe... | 2009 | 340000 | 214000 | Petrol | Individual | Manual | Second Owner | 13.9 | 1599 | 103.2 | 5 |
| Renault KWID RXT | 2015 | 210000 | 210000 | Petrol | Individual | Manual | Second Owner | 25.17 | 799 | 53.3 | 5 |
| Maruti Alto LX | 2000 | 108000 | 206000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.7 | 796 | 46.3 | 5 |
| Hyundai i10 Magna 1.1L | 2010 | 187000 | 200400 | Petrol | Individual | Manual | Second Owner | 19.81 | 1086 | 68.05 | 5 |
| Ford Fiesta 1.4 Duratec ZXI | 2008 | 136000 | 200185 | Petrol | Individual | Manual | First Owner | 16.6 | 1388 | 68 | 5 |
| Maruti Swift Dzire 1.2 Vxi ... | 2010 | 210000 | 200000 | Petrol | Individual | Manual | First Owner | 17.5 | 1197 | 85.8 | 5 |
| Maruti Zen Estilo VXI BSIV | 2010 | 160000 | 200000 | Petrol | Individual | Manual | First Owner | 19 | 998 | 67.1 | 5 |
| Honda CR-V 2.0L ZWD AT | 2006 | 125000 | 200000 | Petrol | Individual | Automatic | Third Owner | 13.1 | 1997 | 141.1 | 5 |
| Maruti Wagon R LX | 2006 | 65000 | 198000 | Petrol | Individual | Manual | Second Owner | 18.9 | 998 | 67.1 | 5 |
| Maruti Alto LXI BSIII | 2008 | 100000 | 195000 | Petrol | Individual | Manual | Second Owner | 19.7 | 796 | 46.3 | 5 |
| Hyundai Santro Xing GLS | 2008 | 120000 | 191000 | Petrol | Individual | Manual | First Owner | 17.92 | 1086 | 62.1 | 5 |
| Hyundai Santro AT | 2005 | 120000 | 190000 | Petrol | Individual | Automatic | Second Owner | 19.41 | 1458 | 91.5 | 5 |
| Maruti Wagon R LXI | 2005 | 70000 | 188000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 998 | 67.1 | 5 |
| Maruti Gypsy King Soft Top | 1997 | 300000 | 186388 | Petrol | Individual | Manual | Second Owner | 14.8 | 1298 | 80 | 8 |
| Hyundai Santro LE | 2002 | 35000 | 184000 | Petrol | Individual | Manual | Second Owner | 19.41 | 1458 | 91.5 | 5 |
| Maruti Zen Estilo LXI BS IV | 2010 | 100000 | 180000 | Petrol | Individual | Manual | Second Owner | 19 | 998 | 67.1 | 5 |
| Maruti Zen LXI | 2000 | 60000 | 180000 | Petrol | Individual | Manual | Fourth & Above Owner | 17.2 | 796 | 46.3 | 5 |

Insight number 2 –

-- counting the total number cars present in the data set

```
SELECT COUNT(*) FROM cars24;
```



The screenshot shows a SQL IDE window titled "Mini Project 1". The query editor contains the following SQL code:

```
7  
8  -- counting the total number cars present in the data set  
9  
10 • SELECT COUNT(*) FROM cars24;
```

The query is executed, and the results are displayed in a "Result Grid". The grid shows a single row with the value 8128.

| COUNT(*) |
|----------|
| 8128 |

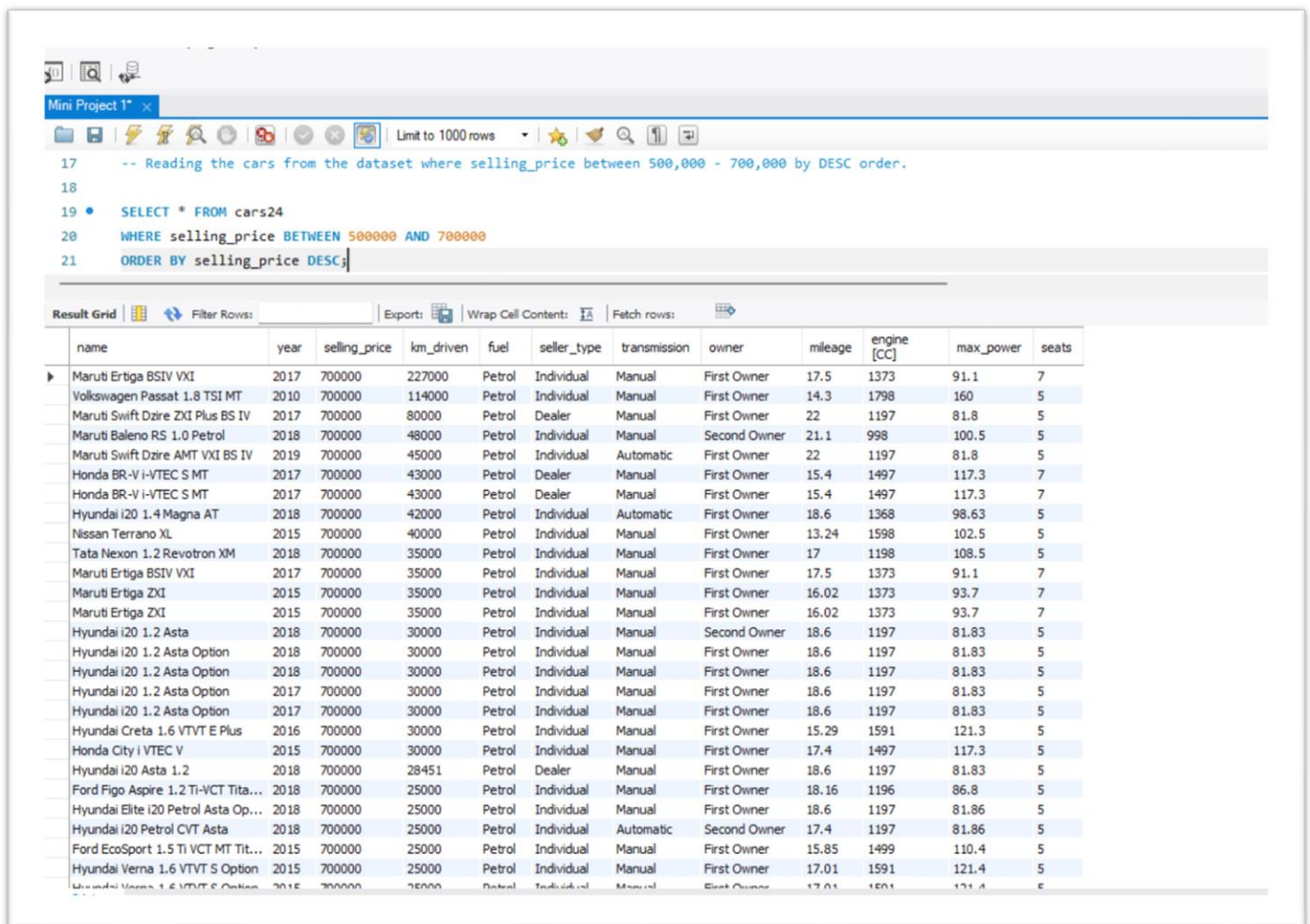
Insight number 3 –

-- Reading the cars from the dataset where selling_price between 500,000 - 700,000 by DESC order.

```
SELECT * FROM cars24
```

```
WHERE selling_price BETWEEN 500000 AND 700000
```

```
ORDER BY selling_price DESC;
```



The screenshot shows a software interface for a Mini Project 1*. The top toolbar includes icons for file operations, a search icon, and a 'Limit to 1000 rows' dropdown. The SQL editor contains the following query:

```
17 -- Reading the cars from the dataset where selling_price between 500,000 - 700,000 by DESC order.
18
19 • SELECT * FROM cars24
20 WHERE selling_price BETWEEN 500000 AND 700000
21 ORDER BY selling_price DESC;
```

Below the editor is the 'Result Grid' section, which includes a 'Filter Rows:' input field, an 'Export:' button, a 'Wrap Cell Content:' checkbox, and a 'Fetch rows:' button. The results are displayed in a table with 12 columns: name, year, selling_price, km_driven, fuel, seller_type, transmission, owner, mileage, engine [CC], max_power, and seats. The table lists 30 car models, sorted by selling_price in descending order.

| name | year | selling_price | km_driven | fuel | seller_type | transmission | owner | mileage | engine [CC] | max_power | seats |
|-------------------------------------|------|---------------|-----------|--------|-------------|--------------|--------------|---------|-------------|-----------|-------|
| Maruti Ertiga BSIV VXI | 2017 | 700000 | 227000 | Petrol | Individual | Manual | First Owner | 17.5 | 1373 | 91.1 | 7 |
| Volkswagen Passat 1.8 TSI MT | 2010 | 700000 | 114000 | Petrol | Individual | Manual | First Owner | 14.3 | 1798 | 160 | 5 |
| Maruti Swift Dzire ZXI Plus BS IV | 2017 | 700000 | 80000 | Petrol | Dealer | Manual | First Owner | 22 | 1197 | 81.8 | 5 |
| Maruti Baleno RS 1.0 Petrol | 2018 | 700000 | 48000 | Petrol | Individual | Manual | Second Owner | 21.1 | 998 | 100.5 | 5 |
| Maruti Swift Dzire AMT VXI BS IV | 2019 | 700000 | 45000 | Petrol | Individual | Automatic | First Owner | 22 | 1197 | 81.8 | 5 |
| Honda BR-V i-VTEC S MT | 2017 | 700000 | 43000 | Petrol | Dealer | Manual | First Owner | 15.4 | 1497 | 117.3 | 7 |
| Honda BR-V i-VTEC S MT | 2017 | 700000 | 43000 | Petrol | Dealer | Manual | First Owner | 15.4 | 1497 | 117.3 | 7 |
| Hyundai i20 1.4 Magna AT | 2018 | 700000 | 42000 | Petrol | Individual | Automatic | First Owner | 18.6 | 1368 | 98.63 | 5 |
| Nissan Terrano XL | 2015 | 700000 | 40000 | Petrol | Individual | Manual | First Owner | 13.24 | 1598 | 102.5 | 5 |
| Tata Nexon 1.2 Revotron XM | 2018 | 700000 | 35000 | Petrol | Individual | Manual | First Owner | 17 | 1198 | 108.5 | 5 |
| Maruti Ertiga BSIV VXI | 2017 | 700000 | 35000 | Petrol | Individual | Manual | First Owner | 17.5 | 1373 | 91.1 | 7 |
| Maruti Ertiga ZXI | 2015 | 700000 | 35000 | Petrol | Individual | Manual | First Owner | 16.02 | 1373 | 93.7 | 7 |
| Maruti Ertiga ZXI | 2015 | 700000 | 35000 | Petrol | Individual | Manual | First Owner | 16.02 | 1373 | 93.7 | 7 |
| Hyundai i20 1.2 Asta | 2018 | 700000 | 30000 | Petrol | Individual | Manual | Second Owner | 18.6 | 1197 | 81.83 | 5 |
| Hyundai i20 1.2 Asta Option | 2018 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 18.6 | 1197 | 81.83 | 5 |
| Hyundai i20 1.2 Asta Option | 2018 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 18.6 | 1197 | 81.83 | 5 |
| Hyundai i20 1.2 Asta Option | 2017 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 18.6 | 1197 | 81.83 | 5 |
| Hyundai i20 1.2 Asta Option | 2017 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 18.6 | 1197 | 81.83 | 5 |
| Hyundai Creta 1.6 VTVT E Plus | 2016 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 15.29 | 1591 | 121.3 | 5 |
| Honda City i VTEC V | 2015 | 700000 | 30000 | Petrol | Individual | Manual | First Owner | 17.4 | 1497 | 117.3 | 5 |
| Hyundai i20 Asta 1.2 | 2018 | 700000 | 28451 | Petrol | Dealer | Manual | First Owner | 18.6 | 1197 | 81.83 | 5 |
| Ford Figo Aspire 1.2 Ti-VCT Tita... | 2018 | 700000 | 25000 | Petrol | Individual | Manual | First Owner | 18.16 | 1196 | 86.8 | 5 |
| Hyundai Elite i20 Petrol Asta Op... | 2018 | 700000 | 25000 | Petrol | Individual | Manual | First Owner | 18.6 | 1197 | 81.86 | 5 |
| Hyundai i20 Petrol CVT Asta | 2018 | 700000 | 25000 | Petrol | Individual | Automatic | Second Owner | 17.4 | 1197 | 81.86 | 5 |
| Ford EcoSport 1.5 Ti VCT MT Tit... | 2015 | 700000 | 25000 | Petrol | Individual | Manual | First Owner | 15.85 | 1499 | 110.4 | 5 |
| Hyundai Verna 1.6 VTVT S Option | 2015 | 700000 | 25000 | Petrol | Individual | Manual | First Owner | 17.01 | 1591 | 121.4 | 5 |

Insight number 4 –

-- Find all the cars name which names end letter "a".

```
SELECT * FROM cars24 WHERE name LIKE '%a';
```

Mini Project 1*

Limit to 1000 rows

```
31
32
33 -- Find all the cars name which names end letter "a".
34
35 • SELECT * FROM cars24 WHERE name LIKE '%a';
36
37
```

Result Grid

Filter Rows: Exports: Wrap Cell Content: [IA](#)

| | name | year | selling_price | km_driven | fuel | seller_type | transmission | owner | mileage | engine [CC] | max_power | seats |
|---|-----------------------|------|---------------|-----------|--------|-------------|--------------|----------------------|---------|-------------|-----------|-------|
| ▶ | Hyundai i20 1.2 Asta | 2011 | 220000 | 220000 | Petrol | Individual | Manual | Fourth & Above Owner | 17 | 1197 | 80 | 5 |
| | Hyundai i20 1.2 Asta | 2011 | 300000 | 138000 | Petrol | Individual | Manual | Third Owner | 17 | 1197 | 80 | 5 |
| | Hyundai i10 Magna | 2010 | 150000 | 123278 | Petrol | Individual | Manual | Second Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i20 Magna | 2013 | 345000 | 120000 | Petrol | Individual | Manual | Second Owner | 18.5 | 1197 | 82.85 | 5 |
| | Hyundai i20 Magna | 2010 | 200000 | 120000 | Petrol | Individual | Manual | Third Owner | 18.5 | 1197 | 80 | 5 |
| | Hyundai i10 Era | 2008 | 130000 | 120000 | Petrol | Individual | Manual | Second Owner | 19.81 | 1086 | 68.05 | 5 |
| | Hyundai i20 Magna | 2013 | 320000 | 110000 | Petrol | Individual | Manual | First Owner | 18.5 | 1197 | 82.85 | 5 |
| | Hyundai i10 Era | 2013 | 245000 | 110000 | Petrol | Individual | Manual | Second Owner | 19.81 | 1086 | 68.05 | 5 |
| | Hyundai i10 Era | 2011 | 210000 | 110000 | Petrol | Individual | Manual | Second Owner | 19.81 | 1086 | 68.05 | 5 |
| | Hyundai i10 Magna | 2008 | 195000 | 110000 | Petrol | Individual | Manual | Second Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i10 Magna | 2011 | 190000 | 110000 | Petrol | Individual | Manual | Third Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i10 Magna | 2009 | 150000 | 110000 | Petrol | Individual | Manual | Second Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i10 Magna | 2009 | 142000 | 110000 | Petrol | Individual | Manual | First Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i10 Magna | 2010 | 150000 | 106000 | Petrol | Individual | Manual | Third Owner | 20.36 | 1197 | 78.9 | 5 |
| | Hyundai i10 Magna | 2012 | 250000 | 103000 | Petrol | Individual | Manual | First Owner | 20.36 | 1197 | 78.9 | 5 |
| | Maruti Swift VXI Deca | 2016 | 500000 | 100000 | Petrol | Individual | Manual | First Owner | 20.4 | 1197 | 81.8 | 5 |
| | Hyundai i20 1.2 Ma... | 2012 | 320000 | 100000 | Petrol | Individual | Manual | Second Owner | 18.5 | 1197 | 80 | 5 |
| | Hyundai i20 1.2 Ma... | 2012 | 265000 | 100000 | Petrol | Individual | Manual | Second Owner | 18.5 | 1197 | 80 | 5 |
| | Hyundai i20 Magna | 2009 | 235000 | 100000 | Petrol | Individual | Manual | First Owner | 18.5 | 1197 | 80 | 5 |
| | Hyundai i10 Era | 2011 | 206000 | 100000 | Petrol | Individual | Manual | First Owner | 19.81 | 1086 | 68.05 | 5 |
| | Hyundai EON Era | 2012 | 190000 | 100000 | Petrol | Individual | Manual | First Owner | 21.1 | 814 | 55.2 | 5 |
| | Hyundai i10 Era | 2007 | 135000 | 100000 | Petrol | Individual | Manual | Second Owner | 19.81 | 1086 | 68.05 | 5 |
| | Hyundai i20 1.2 Ma... | 2011 | 350000 | 98000 | Petrol | Individual | Manual | First Owner | 18.5 | 1197 | 80 | 5 |

Insight number 5 –

-- Reading the all unique selling_price and name from the data set.

```
SELECT DISTINCT selling_price, name FROM cars24;
```

The screenshot shows a SQL IDE window titled "Mini Project 1". The query editor contains the following SQL code:

```
27 -- Reading the all unique selling_price and name from the data set.
28
29 • SELECT DISTINCT selling_price, name FROM cars24;
30
31
```

Below the query editor, the "Result Grid" displays the results of the query. The grid has two columns: "selling_price" and "name". The results are as follows:

| selling_price | name |
|---------------|--------------------------------|
| 550000 | Hyundai i20 Asta 1.2 |
| 194000 | Maruti Wagon R LXI Minor |
| 229999 | Maruti Wagon R VXI BS IV |
| 220000 | Maruti Wagon R LXI BS IV |
| 550000 | Hyundai Sonata 2.4 GDI MT |
| 500000 | Hyundai Sonata 2.4 GDI MT |
| 700000 | Maruti Ertiga BSIV VXI |
| 220000 | Hyundai i20 1.2 Asta |
| 70000 | Maruti 800 EX |
| 175000 | Honda Civic 1.8 S AT |
| 340000 | Hyundai Verna Xxi ABS (Pe... |
| 210000 | Renault KWID RXT |
| 108000 | Maruti Alto LX |
| 187000 | Hyundai i10 Magna 1.1L |
| 136000 | Ford Fiesta 1.4 Duratec ZXI |
| 210000 | Maruti Swift Dzire 1.2 Vxi ... |
| 160000 | Maruti Zen Estilo VXI BSIV |
| 125000 | Honda CR-V 2.0L 2WD AT |
| 65000 | Maruti Wagon R LX |
| 100000 | Maruti Alto LXI BSIII |
| 120000 | Hyundai Santro Xing GLS |
| 120000 | Hyundai Santro AT |
| 70000 | Maruti Wagon R LXI |
| 300000 | Maruti Gypsy King Soft Top |
| 35000 | Hyundai Santro LE |
| 100000 | Maruti Zen Estilo LXI BS IV |
| 50000 | Maruti Zen I XT |

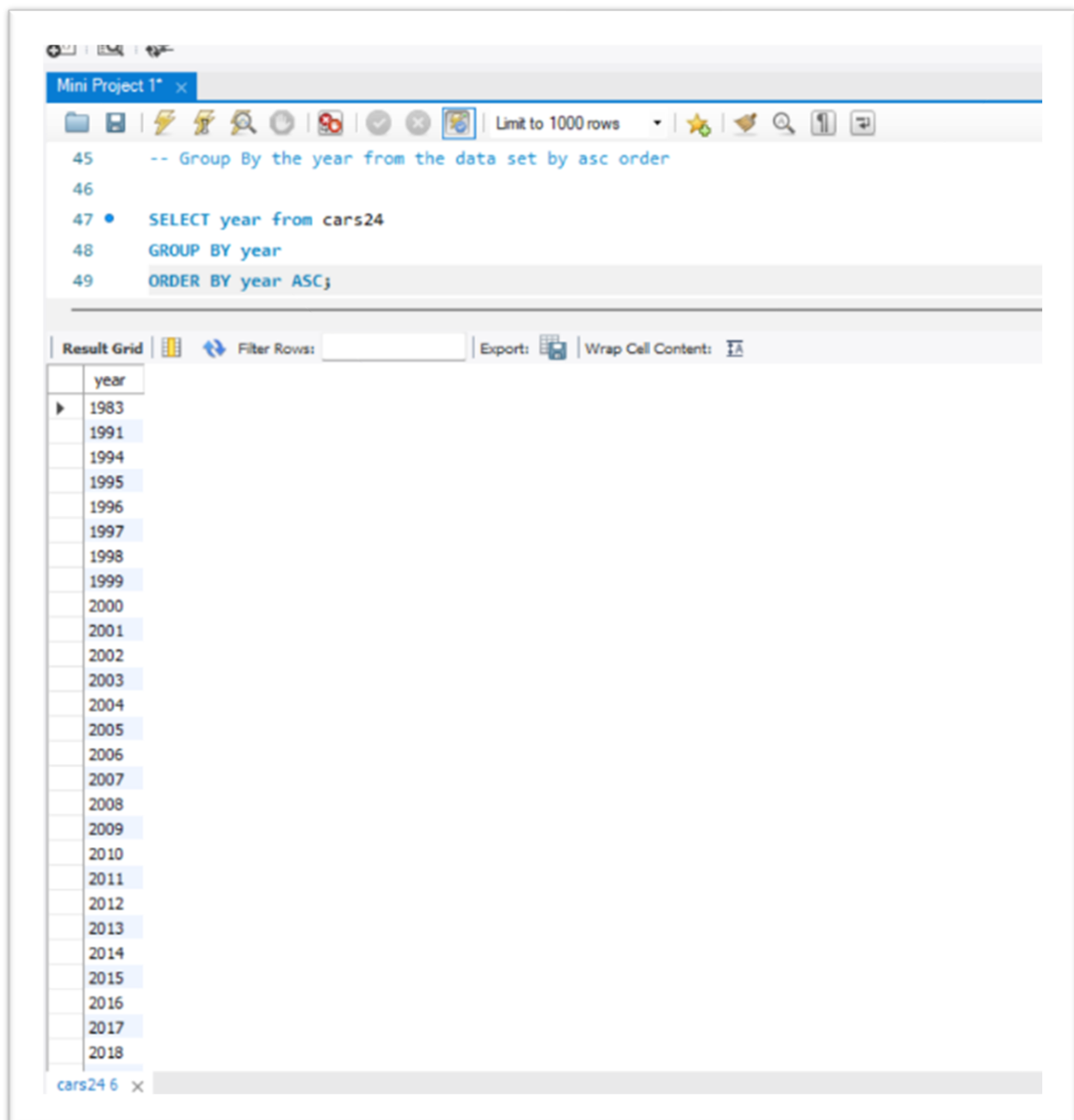
Insight number 6 –

-- Group By the year from the data set by asc order

SELECT year from cars24

GROUP BY year

ORDER BY year ASC;



The screenshot shows a software interface for a data project named "Mini Project 1". The SQL editor contains the following query:

```
-- Group By the year from the data set by asc order
SELECT year from cars24
GROUP BY year
ORDER BY year ASC;
```

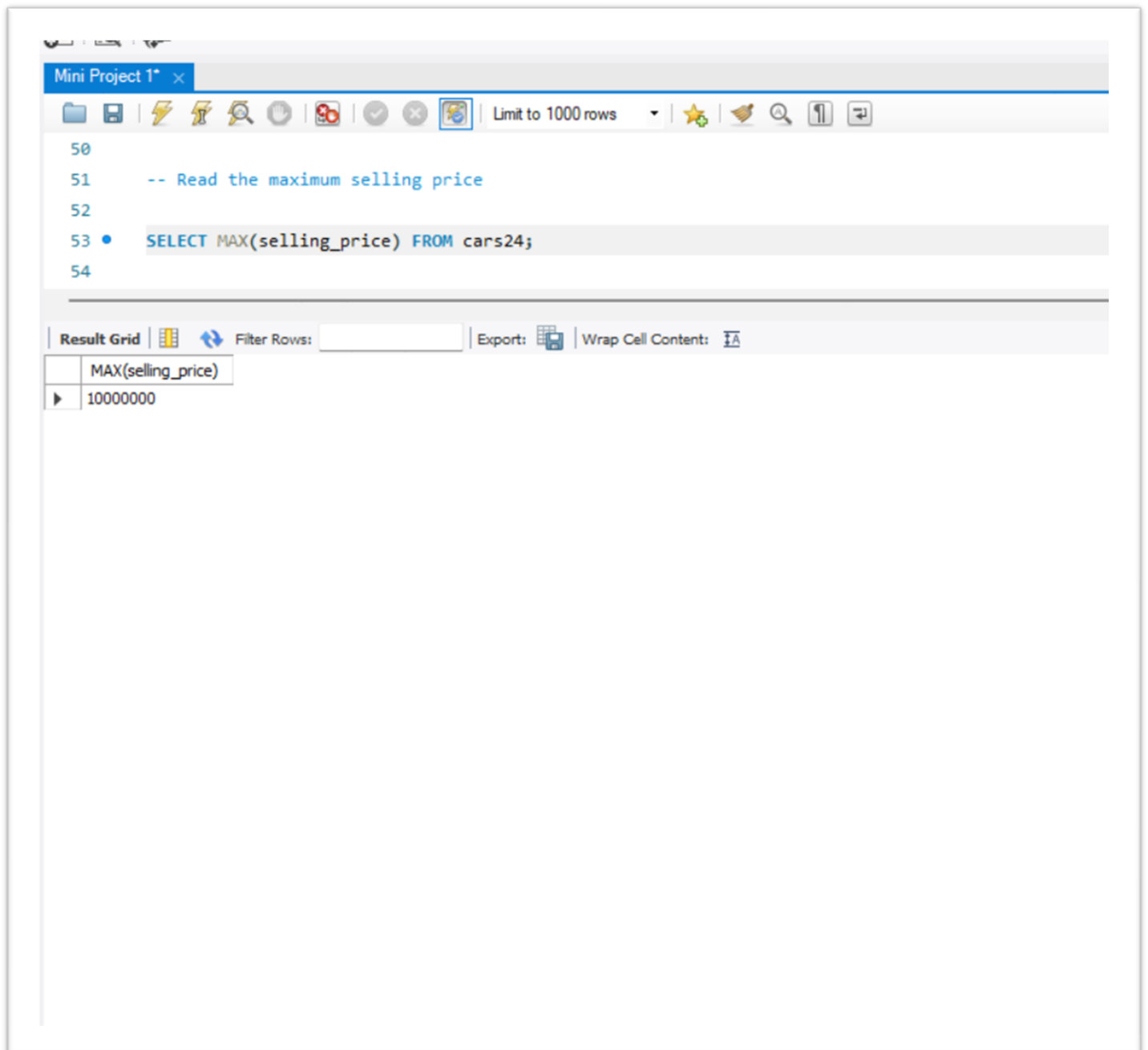
Below the editor, the "Result Grid" displays the output of the query. The results are sorted by year in ascending order, from 1983 to 2018. The interface includes various toolbars for file operations, search, and data manipulation.

| year |
|------|
| 1983 |
| 1991 |
| 1994 |
| 1995 |
| 1996 |
| 1997 |
| 1998 |
| 1999 |
| 2000 |
| 2001 |
| 2002 |
| 2003 |
| 2004 |
| 2005 |
| 2006 |
| 2007 |
| 2008 |
| 2009 |
| 2010 |
| 2011 |
| 2012 |
| 2013 |
| 2014 |
| 2015 |
| 2016 |
| 2017 |
| 2018 |

Insight number 7 –

-- Read the maximum selling price

```
SELECT MAX(selling_price) FROM cars24;
```



The screenshot shows a SQL IDE window titled "Mini Project 1* x". The toolbar includes icons for file operations, execution, and a "Limit to 1000 rows" dropdown. The SQL editor contains the following code:

```
50
51  -- Read the maximum selling price
52
53  • SELECT MAX(selling_price) FROM cars24;
54
```

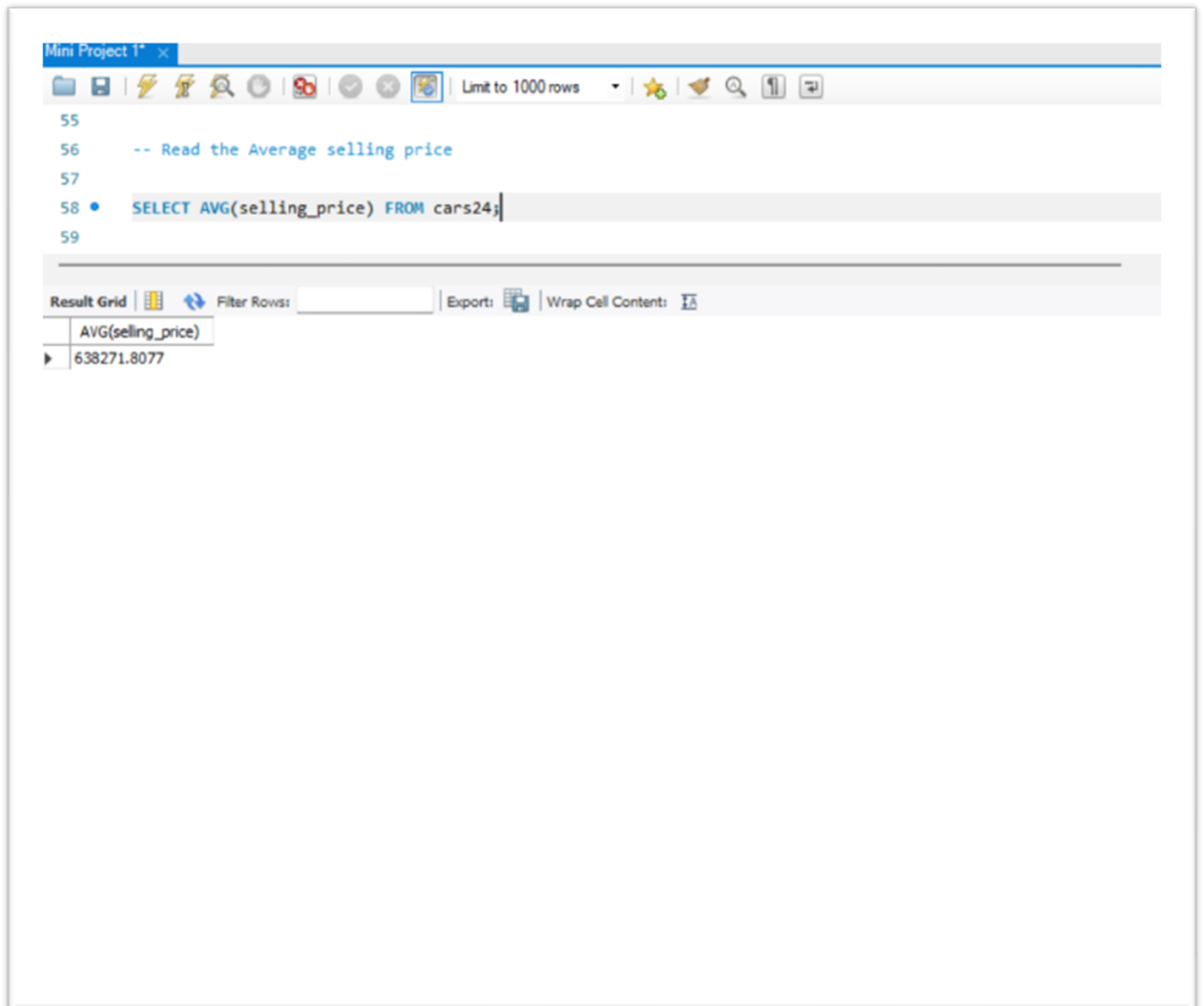
Below the editor is the "Result Grid" section, which includes a "Filter Rows:" input field, an "Export:" button, and a "Wrap Cell Content:" checkbox. The result grid displays the following data:

| | MAX(selling_price) |
|---|--------------------|
| ▶ | 10000000 |

Insight number 8 –

-- Read the Average selling price

```
SELECT AVG(selling_price) FROM cars24;
```



The screenshot shows a SQL IDE window titled "Mini Project 1". The query editor contains the following SQL code:

```
55  
56 -- Read the Average selling price  
57  
58 • SELECT AVG(selling_price) FROM cars24;  
59
```

The results pane at the bottom shows a single row with the value 638271.8077.

| AVG(selling_price) |
|--------------------|
| 638271.8077 |

Insight number 9 –

-- Read name , selling_price, engine [CC] where mileage = 25.17

SELECT name,selling_price, 'engine [CC]' FROM cars24

WHERE mileage = 25.17;

Mini Project 1* x

Limit to 1000 rows

```
66
67 -- Read name , selling_price, engine [CC] where mileage = 25.17
68
69 • SELECT name,selling_price, 'engine [CC]' FROM cars24
70 WHERE mileage = 25.17;
```

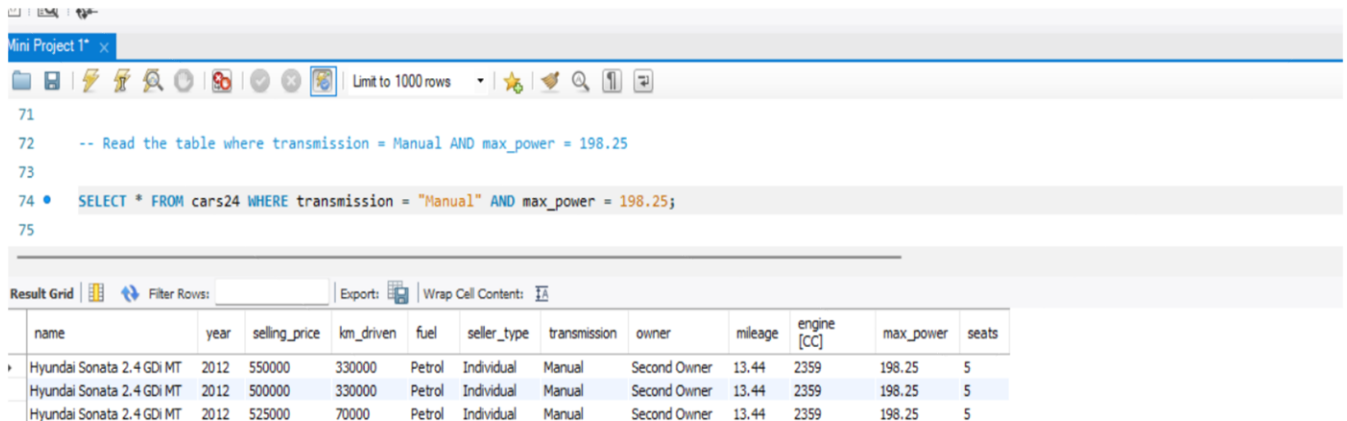
Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

| | name | selling_price | engine [CC] |
|---|---------------------------|---------------|-------------|
| ▶ | Renault KWID RXT | 210000 | engine [CC] |
| | Renault KWID RXT | 261000 | engine [CC] |
| | Renault KWID RXL | 220000 | engine [CC] |
| | Renault KWID RXL | 260000 | engine [CC] |
| | Renault KWID RXT | 300000 | engine [CC] |
| | Renault KWID RXT | 315000 | engine [CC] |
| | Renault KWID RXT | 300000 | engine [CC] |
| | Renault KWID RXT | 300000 | engine [CC] |
| | Renault KWID RXT Optional | 295000 | engine [CC] |
| | Renault KWID RXT Optional | 275000 | engine [CC] |
| | Renault KWID RXT | 260000 | engine [CC] |
| | Renault KWID RXT | 240000 | engine [CC] |
| | Renault KWID RXT | 315000 | engine [CC] |
| | Renault KWID RXT | 270000 | engine [CC] |
| | Renault KWID RXT | 265000 | engine [CC] |
| | Renault KWID RXL | 200000 | engine [CC] |
| | Renault KWID RXT | 240000 | engine [CC] |
| | Renault KWID RXT | 270000 | engine [CC] |
| | Renault KWID RXT Optional | 250000 | engine [CC] |
| | Renault KWID RXL | 350000 | engine [CC] |
| | Renault KWID RXL | 325000 | engine [CC] |
| | Renault KWID RXL | 250000 | engine [CC] |
| | Renault KWID RXL | 229999 | engine [CC] |
| | Renault KWID RXT | 350000 | engine [CC] |
| | Renault KWID RXT | 350000 | engine [CC] |
| | Renault KWID RXT | 350000 | engine [CC] |
| | Renault KWID RXT | 335000 | engine [CC] |

Insight number 10 –

-- Read the table where transmission = Manual AND max power = 198.25

```
SELECT * FROM cars24 WHERE transmission = "Manual" AND max_power = 198.25;
```



The screenshot shows a SQL IDE window titled "Mini Project 1". The query editor contains the following SQL code:

```
71
72  -- Read the table where transmission = Manual AND max_power = 198.25
73
74  • SELECT * FROM cars24 WHERE transmission = "Manual" AND max_power = 198.25;
75
```

Below the query editor, the "Result Grid" displays the results of the query. The grid has 12 columns: name, year, selling_price, km_driven, fuel, seller_type, transmission, owner, mileage, engine [CC], max_power, and seats. Three rows are shown, all of which are highlighted in blue, indicating they match the query criteria.

| name | year | selling_price | km_driven | fuel | seller_type | transmission | owner | mileage | engine [CC] | max_power | seats |
|---------------------------|------|---------------|-----------|--------|-------------|--------------|--------------|---------|-------------|-----------|-------|
| Hyundai Sonata 2.4 GDI MT | 2012 | 550000 | 330000 | Petrol | Individual | Manual | Second Owner | 13.44 | 2359 | 198.25 | 5 |
| Hyundai Sonata 2.4 GDI MT | 2012 | 500000 | 330000 | Petrol | Individual | Manual | Second Owner | 13.44 | 2359 | 198.25 | 5 |
| Hyundai Sonata 2.4 GDI MT | 2012 | 525000 | 70000 | Petrol | Individual | Manual | Second Owner | 13.44 | 2359 | 198.25 | 5 |

Insight number 11 –

-- Read the table where seats 10 or owner Fourth & Above Owner

```
SELECT * FROM cars24 WHERE seats = 10 OR owner = "Fourth & Above Owner";
```

Mini Project 1*

Limit to 1000 rows

```
76
77 -- Read the table where seats 10 or owner Fourth & Above Owner
78
79 • SELECT * FROM cars24 WHERE seats = 10 OR owner = "Fourth & Above Owner";
80
```

Result Grid

Filter Rows: | Export: | Wrap Cell Contents: |

| name | year | selling_price | km_driven | fuel | seller_type | transmission | owner | mileage | engine [CC] | max_power | seats |
|-----------------------------|------|---------------|-----------|--------|-------------|--------------|----------------------|---------|-------------|-----------|-------|
| Hyundai i20 1.2 Asta | 2011 | 220000 | 220000 | Petrol | Individual | Manual | Fourth & Above Owner | 17 | 1197 | 80 | 5 |
| Maruti Alto LX | 2000 | 108000 | 206000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.7 | 796 | 46.3 | 5 |
| Maruti Wagon R LXI | 2005 | 70000 | 188000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 998 | 67.1 | 5 |
| Maruti Zen LXI | 2000 | 50000 | 180000 | Petrol | Individual | Manual | Fourth & Above Owner | 17.3 | 993 | 60 | 5 |
| Honda City 1.5 EXi | 2002 | 81000 | 161000 | Petrol | Individual | Manual | Fourth & Above Owner | 13 | 1493 | 100 | 5 |
| Maruti Zen Estilo LXI BSIII | 2007 | 85000 | 160000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.2 | 998 | 67.1 | 5 |
| Maruti Wagon R LXI | 2006 | 80000 | 150000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 998 | 67.1 | 5 |
| Maruti Wagon R LXI | 2003 | 50000 | 147000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 998 | 67.1 | 5 |
| Hyundai Santro Xing XG | 2005 | 95000 | 125000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.41 | 1458 | 91.5 | 5 |
| Maruti Wagon R LXI Minor | 2009 | 125000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 1061 | 67 | 5 |
| Maruti Alto LXi | 2006 | 120000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.7 | 796 | 46.3 | 5 |
| Hyundai Accent GLS 1.6 | 2004 | 110000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 14.4 | 1599 | 94 | 5 |
| Hyundai Santro GS zipDrive | 2002 | 100000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.41 | 1458 | 91.5 | 5 |
| Hyundai Getz GLX | 2005 | 95000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 15.3 | 1341 | 83 | 5 |
| Hyundai Accent GLS | 2002 | 55000 | 120000 | Petrol | Individual | Manual | Fourth & Above Owner | 13.2 | 1495 | 94 | 5 |
| Tata Manza Aura (ABS) S... | 2010 | 140000 | 116700 | Petrol | Individual | Manual | Fourth & Above Owner | 15 | 1368 | 90 | 5 |
| Hyundai i10 Magna 1.1L | 2008 | 185000 | 110000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.81 | 1086 | 68.05 | 5 |
| Hyundai Verna Xi (Petrol) | 2006 | 170000 | 110000 | Petrol | Individual | Manual | Fourth & Above Owner | 13.9 | 1599 | 103.2 | 5 |
| Maruti Alto LXi | 2011 | 122000 | 110000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.7 | 796 | 46.3 | 5 |
| Maruti Wagon R LXI Minor | 2007 | 90000 | 110000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 1061 | 67 | 5 |
| Maruti Wagon R LXI | 2006 | 70000 | 110000 | Petrol | Individual | Manual | Fourth & Above Owner | 18.9 | 998 | 67.1 | 5 |
| Hyundai Verna Xi (Petrol) | 2008 | 160000 | 100000 | Petrol | Individual | Manual | Fourth & Above Owner | 13.9 | 1599 | 103.2 | 5 |
| Hyundai Verna Xi (Petrol) | 2008 | 160000 | 100000 | Petrol | Individual | Manual | Fourth & Above Owner | 13.9 | 1599 | 103.2 | 5 |
| Maruti SX4 Vxi BSIII | 2008 | 150000 | 100000 | Petrol | Individual | Manual | Fourth & Above Owner | 15 | 1586 | 104.68 | 5 |
| Toyota Corolla AE | 2006 | 150000 | 100000 | Petrol | Individual | Manual | Fourth & Above Owner | 13.4 | 1794 | 125 | 5 |
| Maruti Alto LX | 2005 | 90000 | 100000 | Petrol | Individual | Manual | Fourth & Above Owner | 19.7 | 796 | 46.3 | 5 |

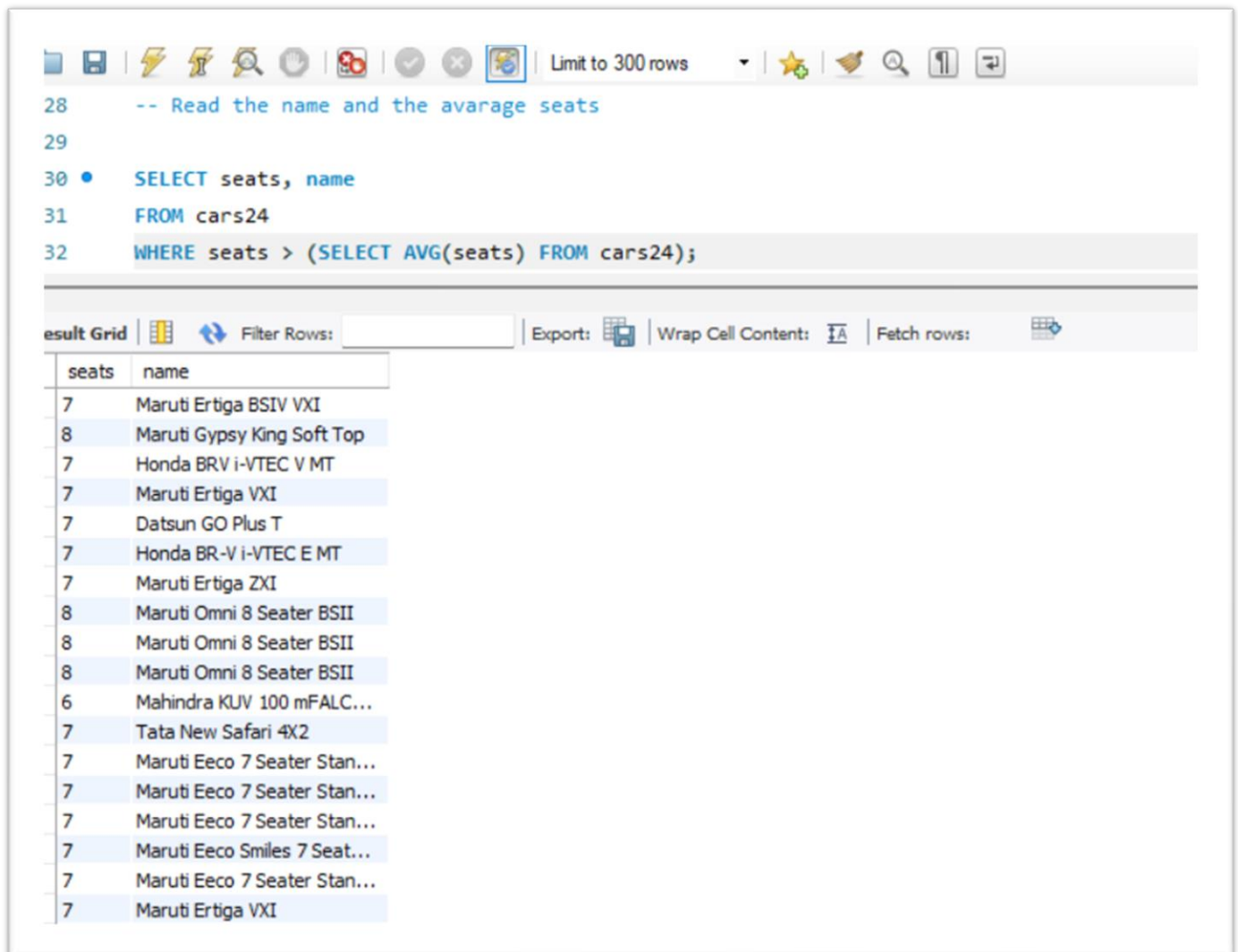
Insight number 12 –

-- Read the name and the average seats

SELECT seats, name

FROM cars24

WHERE seats > (SELECT AVG(seats) FROM cars24);



The screenshot shows a SQL query editor with the following query:

```
-- Read the name and the average seats
SELECT seats, name
FROM cars24
WHERE seats > (SELECT AVG(seats) FROM cars24);
```

The query is executed, and the results are displayed in a table below. The table has two columns: 'seats' and 'name'.

| seats | name |
|-------|------------------------------|
| 7 | Maruti Ertiga BSIV VXI |
| 8 | Maruti Gypsy King Soft Top |
| 7 | Honda BRV i-VTEC V MT |
| 7 | Maruti Ertiga VXI |
| 7 | Datsun GO Plus T |
| 7 | Honda BR-V i-VTEC E MT |
| 7 | Maruti Ertiga ZXI |
| 8 | Maruti Omni 8 Seater BSII |
| 8 | Maruti Omni 8 Seater BSII |
| 8 | Maruti Omni 8 Seater BSII |
| 6 | Mahindra KUV 100 mFALC... |
| 7 | Tata New Safari 4X2 |
| 7 | Maruti Eeco 7 Seater Stan... |
| 7 | Maruti Eeco 7 Seater Stan... |
| 7 | Maruti Eeco 7 Seater Stan... |
| 7 | Maruti Eeco Smiles 7 Seat... |
| 7 | Maruti Eeco 7 Seater Stan... |
| 7 | Maruti Ertiga VXI |