

## CASE 1 SQL

```
CREATE TABLE cars_sale (  
  SatisID INT PRIMARY KEY,  
  Marka VARCHAR(50),  
  Model VARCHAR(50),  
  Yil INT,  
  KM INT,  
  Fiyat DECIMAL(10, 2),  
  Bölge VARCHAR(50),  
  SatisSuresi DATE  
);
```

```
INSERT INTO cars_sale VALUES  
(6, 'Renault', 'Talisman', 2019, 45000, 470000, 'İstanbul', '2023-06-15'),  
(7, 'Hyundai', 'i20', 2020, 40000, 430000, 'Ankara', '2023-07-20'),  
(8, 'Hyundai', 'Elantra', 2021, 35000, 490000, 'İzmir', '2023-08-05'),  
(9, 'Volkswagen', 'Golf', 2018, 70000, 510000, 'İstanbul', '2023-06-25'),  
(10, 'Volkswagen', 'Polo', 2022, 25000, 560000, 'Ankara', '2023-08-01'),  
(11, 'BMW', '3 Series', 2020, 60000, 890000, 'İstanbul', '2023-07-18'),  
(12, 'BMW', '5 Series', 2021, 30000, 1200000, 'İzmir', '2023-08-15'),  
(13, 'Mercedes', 'C200', 2019, 55000, 1100000, 'Ankara', '2023-09-01'),  
(14, 'Mercedes', 'E200', 2022, 20000, 1450000, 'İstanbul', '2023-09-05'),  
(15, 'Honda', 'Civic', 2017, 90000, 410000, 'İzmir', '2023-07-12');
```

```
WITH SatisAnalizi AS (
```

```
  SELECT  
    SatisID,  
    Marka,  
    Model,  
    Yil,  
    KM,  
    Fiyat,  
    Bölge,  
    SatisSuresi,
```

```
  -- Aynı bölge ve marka içinde fiyat dağılımı
```

```
  AVG(Fiyat) OVER (PARTITION BY Bölge, Marka) AS OrtalamaFiyat,  
  MIN(Fiyat) OVER (PARTITION BY Bölge, Marka) AS EnDusukFiyat,  
  MAX(Fiyat) OVER (PARTITION BY Bölge, Marka) AS EnYuksekFiyat,
```

```
  -- Aynı bölge ve marka içinde fiyat sıralaması
```

```
  RANK() OVER (PARTITION BY Bölge, Marka ORDER BY Fiyat DESC) AS  
  FiyatSiralama,
```

```
  -- Satıştan sonra geçen gün sayısı
```

```
  DATEDIFF(day, SatisSuresi, GETDATE()) AS SatisSuresiGun
```



7	Hyundai	i 2 40 2 0 00 0 2 0 0	4 3 0 0 0 0 0 0	A n k a r a	2023 -07- 20	430 000 .00 000 0	43 00 00 .0 0	4300 00.0 0	1	782	3	2090000. 00	696666.6 66666
13	Mercedes	C 2 55 2 0 00 0 1 0 0 9	1 1 0 0 0 0 0	A n k a r a	2023 -09- 01	110 000 0.0 000 00	11 00 00 0. 00	1100 000. 00	1	739	3	2090000. 00	696666.6 66666
10	Volkswag en	P 2 25 o 0 00 l 2 0 o 2	5 6 0 0 0 0 0	A n k a r a	2023 -08- 01	560 000 .00 000 0	56 00 00 .0 0	5600 00.0 0	1	770	3	2090000. 00	696666.6 66666
11	BMW	3 2 60 S 0 00 e 2 0 r 0 i e s	8 9 0 0 0 0 0 0	I s t a n b u l	2023 -07- 18	890 000 .00 000 0	89 00 00 .0 0	8900 00.0 0	1	784	4	3320000. 00	830000.0 00000
14	Mercedes	E 2 20 2 0 00 0	1 4 5	I s t	2023 -09- 05	145 000 0.0	14 50 00	1450 000. 00	1	735	4	3320000. 00	830000.0 00000

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		0 2	0	n		00	00						
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6	Renault	T 2 45	4	I	2023	470	47	4700	1	817	4	3320000.	830000.0
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		s	0	n		0	0						
		m	0	b									
		a	.	u									
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9	Volkswag en	G 2 70	5	I	2023	510	51	5100	1	807	4	3320000.	830000.0
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		l 1 0	0	t	25	.00	00	0					
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12	BMW	5 2 30	1	I	2023	120	12	1200	1	756	3	2100000.	700000.0
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		r 1	0	i		000	0.						
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		e	0										
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			0										
			0										
15	Honda	C 2 90	4	I	2023	410	41	4100	1	790	3	2100000.	700000.0
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		v 1 0	0	m	12	.00	00	0					
		i 7	0	i		000	.0						
		c	0	r		0	0						

[illegible]