

I hereby swear that the work done on this homework is totally my own; and on my honor, I have neither given nor received any unauthorized and/or inappropriate assistance for this homework. I understand that by the school code, violation of these principles will lead to a zero grade and is subject to harsh discipline issues.

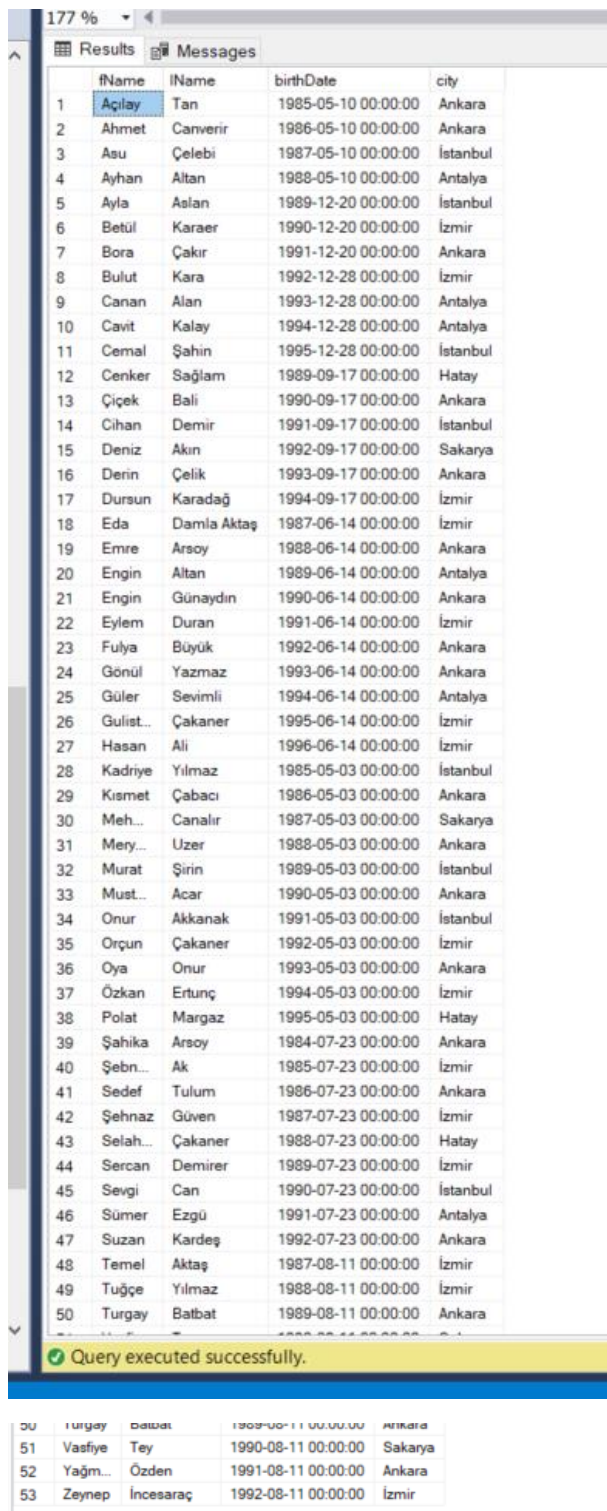
Cem Anaral 150119761

SQL Queries

a)

--Query a

```
Select s.fName, s.lName, s.birthDate, s.city  
From STUDENT s
```



	fName	lName	birthDate	city
1	Açılaz	Tan	1985-05-10 00:00:00	Ankara
2	Ahmet	Canverir	1986-05-10 00:00:00	Ankara
3	Asu	Çelebi	1987-05-10 00:00:00	İstanbul
4	Ayhan	Altan	1988-05-10 00:00:00	Antalya
5	Ayla	Aslan	1989-12-20 00:00:00	İstanbul
6	Betül	Karaer	1990-12-20 00:00:00	İzmir
7	Bora	Çakır	1991-12-20 00:00:00	Ankara
8	Bulut	Kara	1992-12-28 00:00:00	İzmir
9	Canan	Alan	1993-12-28 00:00:00	Antalya
10	Cavit	Kalay	1994-12-28 00:00:00	Antalya
11	Cemal	Şahin	1995-12-28 00:00:00	İstanbul
12	Cenker	Sağlam	1989-09-17 00:00:00	Hatay
13	Çiçek	Bali	1990-09-17 00:00:00	Ankara
14	Cihan	Demir	1991-09-17 00:00:00	İstanbul
15	Deniz	Akın	1992-09-17 00:00:00	Sakarya
16	Derin	Çelik	1993-09-17 00:00:00	Ankara
17	Dursun	Karadağ	1994-09-17 00:00:00	İzmir
18	Eda	Damla Aktaş	1987-06-14 00:00:00	İzmir
19	Emre	Arsoy	1988-06-14 00:00:00	Ankara
20	Engin	Altan	1989-06-14 00:00:00	Antalya
21	Engin	Günaydın	1990-06-14 00:00:00	Ankara
22	Eylem	Duran	1991-06-14 00:00:00	İzmir
23	Fulya	Büyük	1992-06-14 00:00:00	Ankara
24	Gönül	Yazmaz	1993-06-14 00:00:00	Ankara
25	Güler	Sevimli	1994-06-14 00:00:00	Antalya
26	Gulist...	Çakaner	1995-06-14 00:00:00	İzmir
27	Hasan	Ali	1996-06-14 00:00:00	İzmir
28	Kadriye	Yılmaz	1985-05-03 00:00:00	İstanbul
29	Kısmet	Çabacı	1986-05-03 00:00:00	Ankara
30	Meh...	Canalır	1987-05-03 00:00:00	Sakarya
31	Mery...	Uzer	1988-05-03 00:00:00	Ankara
32	Murat	Şirin	1989-05-03 00:00:00	İstanbul
33	Must...	Acar	1990-05-03 00:00:00	Ankara
34	Onur	Akkanak	1991-05-03 00:00:00	İstanbul
35	Orçun	Çakaner	1992-05-03 00:00:00	İzmir
36	Oya	Onur	1993-05-03 00:00:00	Ankara
37	Özkan	Ertunç	1994-05-03 00:00:00	İzmir
38	Polat	Margaz	1995-05-03 00:00:00	Hatay
39	Şahika	Arsoy	1984-07-23 00:00:00	Ankara
40	Şebn...	Ak	1985-07-23 00:00:00	İzmir
41	Sedef	Tulum	1986-07-23 00:00:00	Ankara
42	Şehnaz	Güven	1987-07-23 00:00:00	İzmir
43	Selah...	Çakaner	1988-07-23 00:00:00	Hatay
44	Sercan	Demirer	1989-07-23 00:00:00	İzmir
45	Sevgi	Can	1990-07-23 00:00:00	İstanbul
46	Sümer	Ezgü	1991-07-23 00:00:00	Antalya
47	Suzan	Kardeş	1992-07-23 00:00:00	Ankara
48	Temel	Aktaş	1987-08-11 00:00:00	İzmir
49	Tuğçe	Yılmaz	1988-08-11 00:00:00	İzmir
50	Turgay	Batbat	1989-08-11 00:00:00	Ankara
51	Vasfiye	Tey	1990-08-11 00:00:00	Sakarya
52	Yağm...	Özden	1991-08-11 00:00:00	Ankara
53	Zeynep	İncesaraç	1992-08-11 00:00:00	İzmir

b)

```
--Query b
Select std.fName, std.lName, d.dName, stf.fName 'AdvisorFName', stf.lName 'AdvisorLName'
From STUDENT std inner join DEPARTMENT d on std.deptCode=d.deptCode
    inner join ADVISOR a on std.advisorID=a.staffID
    inner join STAFF stf on stf.staffID=a.staffID
Order By d.dName, std.lName
```

Results		Messages			
	fName	lName	dName	AdvisorFName	AdvisorLName
1	Deniz	Akın	Computer Engineering	Alim	Sönmez
2	Canan	Alan	Computer Engineering	Zuhal	Meral
3	Hasan	Ali	Computer Engineering	İsmet	Kararlı
4	Engin	Altan	Computer Engineering	İsmet	Kararlı
5	Ayhan	Altan	Computer Engineering	Zuhal	Meral
6	Emre	Arsoy	Computer Engineering	İsmet	Kararlı
7	Ayla	Aslan	Computer Engineering	Zuhal	Meral
8	Çiçek	Bali	Computer Engineering	Alim	Sönmez
9	Fulya	Büyük	Computer Engineering	İsmet	Kararlı
10	Mehmet	Canalır	Computer Engineering	İsmet	Kararlı
11	Ahmet	Canverir	Computer Engineering	Zuhal	Meral
12	Kismet	Çabacı	Computer Engineering	İsmet	Kararlı
13	Gulistan	Çakaner	Computer Engineering	İsmet	Kararlı
14	Bora	Çakır	Computer Engineering	Zuhal	Meral
15	Asu	Çelebi	Computer Engineering	Zuhal	Meral
16	Derin	Çelik	Computer Engineering	Alim	Sönmez
17	Eda	Damla...	Computer Engineering	Alim	Sönmez
18	Cihan	Demir	Computer Engineering	Alim	Sönmez
19	Eylem	Duran	Computer Engineering	İsmet	Kararlı
20	Engin	Günay...	Computer Engineering	İsmet	Kararlı
21	Cavit	Kalay	Computer Engineering	Alim	Sönmez
22	Bulut	Kara	Computer Engineering	Zuhal	Meral
23	Dursun	Karadağ	Computer Engineering	Alim	Sönmez
24	Betül	Karaer	Computer Engineering	Zuhal	Meral
25	Cenker	Sağlam	Computer Engineering	Alim	Sönmez
26	Güler	Sevimli	Computer Engineering	İsmet	Kararlı
27	Cemal	Şahin	Computer Engineering	Alim	Sönmez
28	Açıl	Tan	Computer Engineering	Zuhal	Meral
29	Gönül	Yazmaz	Computer Engineering	İsmet	Kararlı
30	Kadriye	Yılmaz	Computer Engineering	İsmet	Kararlı
31	Mustafa	Acar	Environmental Engin...	Yeşim	Çatı
32	Şebnem	Ak	Environmental Engin...	Suat	Yol
33	Onur	Akkanak	Environmental Engin...	Yeşim	Çatı
34	Şahika	Arsoy	Environmental Engin...	Suat	Yol
35	Orçun	Çakaner	Environmental Engin...	Yeşim	Çatı
36	Özkan	Ertunç	Environmental Engin...	Suat	Yol
37	Şehnaz	Güven	Environmental Engin...	Suat	Yol
38	Polat	Margaz	Environmental Engin...	Suat	Yol
39	Oya	Onur	Environmental Engin...	Yeşim	Çatı
40	Murat	Şirin	Environmental Engin...	Yeşim	Çatı
41	Sedef	Tulum	Environmental Engin...	Suat	Yol
42	Meryem	Uzer	Environmental Engin...	Yeşim	Çatı
43	Temel	Aktaş	Industrial Engineering	Fikret	Ağaç
44	Turgay	Batbat	Industrial Engineering	Fikret	Ağaç
45	Sevgi	Can	Industrial Engineering	Fikret	Ağaç
46	Selaha...	Çakaner	Industrial Engineering	Fikret	Ağaç
47	Sercan	Demirer	Industrial Engineering	Fikret	Ağaç
48	Sümer	Ezgü	Industrial Engineering	Fikret	Ağaç
49	Zeynep	İncesa...	Industrial Engineering	Fikret	Ağaç
50	Suzan	Kardeş	Industrial Engineering	Fikret	Ağaç

50	Suzan	Kardeş	Industrial Engineering	Fikret	Ağaç
51	Yağmur	Özden	Industrial Engineering	Fikret	Ağaç
52	Vasfiye	Tey	Industrial Engineering	Fikret	Ağaç
53	Tuğçe	Yılmaz	Industrial Engineering	Fikret	Ağaç

Query executed successfully.

c)

--Query c

```
Select Distinct s.fName, s.lName
```

```
From STUDENT s inner join DEPARTMENT d on s.deptCode=d.deptCode
```

```
Where d.dName='Computer Engineering'
```

	fName	lName
1	Açıl	Tan
2	Ahmet	Canverir
3	Asu	Çelebi
4	Ayhan	Altan
5	Ayla	Aslan
6	Betül	Karaer
7	Bora	Çakır
8	Bulut	Kara
9	Canan	Alan
10	Cavit	Kalay
11	Cemal	Şahin
12	Caner	Sağlam
13	Cihan	Demir
14	Çiçek	Bali
15	Deniz	Akın
16	Derin	Çelik
17	Dursun	Karadağ
18	Eda	Damla Aktaş
19	Emre	Arsoy
20	Engin	Altan
21	Engin	Günaydın
22	Eylem	Duran
23	Fulya	Büyük
24	Gönül	Yazmaz
25	Gülşen	Çakaner
26	Güler	Sevimli
27	Hasan	Ali
28	Kadriye	Yılmaz
29	Kismet	Çabacı
30	Mehmet	Canalır

d)

```
--Query d
Select *
From STUDENT s
Where s.fName like '%at%'
```

Results		Messages								
	studentID	fName	lName	birthDate	gender	addrDetails	city	postalCode	deptCode	advisorID
1	32	Murat	Şirin	1989-05-03 00:00:00	M	Address Details of Murat Şirin	İstanbul	34722	ENVE	6
2	38	Polat	Margaz	1995-05-03 00:00:00	M	Address Details of Polat Margaz	Hatay	34722	ENVE	7
3	43	Selahattin	Çakaner	1988-07-23 00:00:00	M	Address Details of Selahattin Çakaner	Hatay	34722	IE	8

e)

```
--Query e
-- Note: I have DATEDIFF(YYYY, birthDate, GETDATE())
-- formula as age column in STAFF

Select s.staffID, s.fName, s.lName
From MANAGER m inner join STAFF s on m.staffID=s.staffID
Where s.age > 40
      and s.isMarried=1
      and noOfChildren >= 2
Order By s.birthDate
```

Results		Messages	
	staffID	fName	lName
1	6	Yeşim	Çatı

f)

```
--Query f
```

```
Select std.studentID, std.fName, std.lName, dep.dName, dip.dateOfGraduation
From STUDENT std inner join DEPARTMENT dep on std.deptCode=dep.deptCode
      inner join DIPLOMA dip on dip.studentID=std.studentID
Where dip.dateOfGraduation > '2010.05.21 00:00:00'
```

Results		Messages				
	studentID	fName	lName	dName	dateOfGraduation	
1	1	Açıl	Tan	Computer Engineering	2013-06-17 00:00:00	
2	2	Ahmet	Canverir	Computer Engineering	2013-06-17 00:00:00	
3	3	Asu	Çelebi	Computer Engineering	2013-06-17 00:00:00	
4	4	Ayhan	Altan	Computer Engineering	2013-06-17 00:00:00	
5	5	Ayla	Aslan	Computer Engineering	2013-06-17 00:00:00	
6	12	Caner	Sağlam	Computer Engineering	2013-06-17 00:00:00	
7	13	Çiçek	Bali	Computer Engineering	2013-06-17 00:00:00	
8	14	Cihan	Demir	Computer Engineering	2014-06-17 00:00:00	
9	15	Deniz	Akın	Computer Engineering	2014-06-17 00:00:00	
10	31	Meryem	Uzer	Environmental Engineering	2014-06-17 00:00:00	
11	32	Murat	Şirin	Environmental Engineering	2014-06-17 00:00:00	
12	33	Mustafa	Acar	Environmental Engineering	2014-06-17 00:00:00	
13	34	Onur	Akkanak	Environmental Engineering	2014-06-17 00:00:00	
14	42	Şehnaz	Güven	Environmental Engineering	2014-06-17 00:00:00	
15	43	Selahattin	Çakaner	Industrial Engineering	2014-06-17 00:00:00	
16	44	Sercan	Demirer	Industrial Engineering	2014-06-17 00:00:00	
17	45	Sevgi	Can	Industrial Engineering	2014-06-17 00:00:00	