7) SQL statements

Query 1:

```
select * from student;
```

```
select * from student;
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

esults:

	STUDENT_ID	STUDENT_NAME	DOB	GENDER	AGE	ADMISSION_DATE	COURSE_ID	GUARDIAN_ID	CLASS_ID	CHALLAN_NO	PARENT_ID	SECTION
1	1	Levi	02-JAN-10	M	10	02-JAN-13	1	1	1	1	1	A
2	2	Finn	02-JAN-10	M	10	02-JAN-14	20	2	2	1	3	B
3	3	Valentine	03-JAN-16	F	4	05-JUL-17	5	3	6	12	3	B
4	4	Beck	05-JAN-03	M	17	09-JUL-06	10	4	4	13	4	C
5	5	Cyrus	24-AUG-06	M	14	02-OCT-09	(null)	5	5	5	5	B
6	6	Sopoline	04-AUG-10	F	10	14-DEC-13	12	6	3	13	6	C
7	7	Geoffrey	03-FEB-13	M	7	07-FEB-16	8	7	2	9	7	B
8	8	Dana	27-APR-12	F	8	22-DEC-15	(null)	8	4	4	8	A
9	9	Katell	28-MAY-04	M	16	02-APR-07	15	9	5	2	9	A
10	10	Priscilla	24-OCT-06	F	14	24-AUG-09	13	10	1	6	10	C
11	11	Caesar	23-JUN-13	F	7	07-APR-20	7	12	5	11	5	A
12	12	Quincy	24-FEB-13	F	7	05-NOV-15	(null)	5	4	6	9	A
13	13	Tamekah	25-MAY-13	F	7	26-SEP-15	4	8	1	15	19	A
14	14	Logan	05-SEP-12	M	8	11-DEC-18	18	12	2	11	6	A
15	15	Clio	06-JAN-14	M	6	09-FEB-16	20	5	5	21	6	B
16	16	Daria	08-JAN-15	M	5	02-NOV-18	10	10	5	5	11	A
17	17	Karleigh	25-JAN-15	M	5	11-MAR-19	9	12	5	6	10	A
18	18	Clarke	18-JUN-12	M	8	24-DEC-18	19	6	5	19	3	A
19	19	Keefe	21-FEB-14	M	6	14-AUG-19	(null)	3	5	22	15	A
20	20	Chastity	29-JUL-14	M	6	08-DEC-16	7	5	4	12	16	B
21	21	Celeste	30-SEP-14	F	6	05-AUG-16	7	2	1	6	11	B
22	22	Brynn	14-NOV-14	F	6	08-AUG-17	2	3	6	11	11	C
23	23	Orson	28-MAY-14	F	6	26-OCT-18	(null)	1	3	9	4	C
24	24	Blair	16-NOV-14	M	6	17-SEP-19	8	11	3	23	17	B
25	25	Dalton	12-FEB-14	M	6	13-JUL-17	15	9	2	5	19	B

SQL History

Query 2:

```
select parent_id,parent_name,spouse from parent where gender = 'F';
```

```
7 Query 2:
8 select parent_id,parent_name,spouse from parent where gender = 'F';
9
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	PARENT_ID	PARENT_NAME	SPOUSE
1	2	Hashim	1
2	4	Vivien	3
3	6	Pearl	5
4	8	Kyla	7
5	10	Rashad	9
6	12	Winifred	11
7	14	Kennedy	13
8	16	Xyla	15
9	18	Tad	17
10	20	Chadwick	19

Query 3:

```
select g.guardian_id,
g.guardian_name,g.relation,s.student_id,s.student_name
from guardian g
full outer join student s
on s.guardian_id = g.guardian_id
order by g.relation desc;
```

```
10 Query 3:
11 select g.guardian_id, g.guardian_name,g.relation,s.student_id,s.student_name
12 from guardian g
13 full outer join student s
14 on s.guardian_id = g.guardian_id
15 order by g.relation desc;
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	GUARDIAN_ID	GUARDIAN_NAME	RELATION	STUDENT_ID	STUDENT_NAME
1	8	Alex	uncle	13	Tamekah
2	9	Zelenia	uncle	25	Dalton
3	12	Adara	uncle	11	Caesar
4	12	Adara	uncle	14	Logan
5	9	Zelenia	uncle	9	Katell
6	11	Odette	uncle	24	Blair
7	12	Adara	uncle	17	Karleigh
8	8	Alex	uncle	8	Dana
9	12	Adara	uncle	28	Keefe
10	5	Kyla	mother	12	Quincy
11	5	Kyla	mother	5	Cyrus
12	4	Pearl	mother	4	Beck
13	3	Vivien	mother	3	Valentine
14	3	Vivien	mother	32	Giselle
15	5	Kyla	mother	33	Travis
16	3	Vivien	mother	31	Charity
17	3	Vivien	mother	26	Erasmus
18	3	Vivien	mother	22	Brynn
19	5	Kyla	mother	20	Chastity
20	3	Vivien	mother	19	Keefe
21	5	Kyla	mother	15	Clio
22	1	Acton	father	1	Levi

SQL History

Query 4:

```
select p.parent_id,p.parent_name, s.student_id, s.student_name
from parent p
full outer join student s
on p.parent_id = s.parent_id
order by p.parent_name;
```

```
18 Query 4:
19 select p.parent_id,p.parent_name, s.student_id, s.student_name
20 from parent p
21 full outer join student s
22 on p.parent_id = s.parent_id
23 order by p.parent_name;
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	PARENT_ID	PARENT_NAME	STUDENT_ID	STUDENT_NAME
1	1	Acton	1	Levi
2	17	Alisa	24	Blair
3	5	Allegra	29	Mariko
4	5	Allegra	5	Cyrus
5	5	Allegra	11	Caesar
6	13	Cameron	(null)	(null)
7	20	Chadwick	32	Giselle
8	9	Griffin	26	Erasmus
9	9	Griffin	9	Katell
10	9	Griffin	12	Quincy
11	2	Hashim	33	Travis
12	19	Herman	31	Charity
13	19	Herman	25	Dalton
14	19	Herman	13	Tamekah
15	14	Kennedy	(null)	(null)
16	8	Kyla	8	Dana
17	8	Kyla	28	Keefe
18	15	Nayda	19	Keefe
19	6	Pearl	6	Sopoline
20	6	Pearl	15	Clio
21	6	Pearl	14	Logan
22	11	Ramona	22	Brynn

Query 5:

```
select unique s1.student_id,s1.student_name, s1.parent_id,p.parent_name
from student s1,student s2 ,parent p
where ((s1.student_id!= s2.student_id and s1.parent_id=s2.parent_id)
and (s1.parent_id=p.parent_id and s2.parent_id=p.parent_id))
order by s1.parent_id;
```

```
26 Query 5:
27 select unique s1.student_id,s1.student_name, s1.parent_id,p.parent_name
28 from student s1,student s2 ,parent p
29 where ((s1.student_id!= s2.student_id and s1.parent_id=s2.parent_id)
30 and (s1.parent_id=p.parent_id and s2.parent_id=p.parent_id))
31 order by s1.parent_id;
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_ID	STUDENT_NAME	PARENT_ID	PARENT_NAME
1	17	Karleigh	10	Rashad
2	10	Priscilla	10	Rashad
3	22	Brynn	11	Ramona
4	21	Celeste	11	Ramona
5	16	Daria	11	Ramona
6	31	Charity	19	Herman
7	25	Dalton	19	Herman
8	13	Tamekah	19	Herman
9	18	Clarke	3	Sheila
10	2	Finn	3	Sheila
11	3	Valentine	3	Sheila
12	4	Beck	4	Vivien
13	23	Orson	4	Vivien
14	11	Caesar	5	Allegra
15	5	Cyrus	5	Allegra
16	29	Mariko	5	Allegra
17	15	Clio	6	Pearl
18	14	Logan	6	Pearl
19	6	Sopoline	6	Pearl
20	7	Geoffrey	7	Shah
21	30	Lydia	7	Shah
22	8	Dana	8	Kyla

Query 6:

```
select *
from student s
full outer join history h
on s.student_id = h.student_id
where h.new_admission = 'Y'
and (h.enrollment_date < TO_DATE ('2 MAY 2020', 'dd Month, YYYY')
and h.enrollment_date > TO_DATE ('4 DEC 2004', 'dd Month, YYYY'))
order by class_id;
```

```
37 Query 6:
38 select * from student s full outer join history h
39 on s.student_id = h.student_id where h.new_admission = 'Y'
40 and (h.enrollment_date < TO_DATE ('2 MAY 2020', 'dd Month, YYYY')
41 and h.enrollment_date > TO_DATE ('4 DEC 2004', 'dd Month, YYYY')) order by class_id;
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_ID	STUDENT_NAME	DOB	GENDER	AGE	ADMISSION_...	COURSE_ID	PARENT_ID	GUARDIA...	CLAS...	CHALL...	SEC...	HIST...	OLD...	NEW_CLASS	NEW...	ENROLLMENT_DATE	STUDENT_ID_1
1	1	Levi	02-JAN-10	M	10	02-JAN-13	1	1	1	1	1	A	1	(null)	3	Y	01-MAY-10	1
2	6	Sopoline	04-AUG-10	F	10	14-DEC-13	12	6	6	3	13	C	6	(null)	11	Y	24-MAY-11	6
3	4	Beck	05-JAN-03	M	17	09-JUL-06	10	4	4	4	13	C	4	(null)	9	Y	05-SEP-17	4
4	8	Dana	27-APR-12	F	8	22-DEC-15	(null)	8	8	4	4	A	8	(null)	11	Y	02-JAN-11	8
5	5	Cyrus	24-AUG-06	M	14	02-OCT-09	(null)	5	5	5	5	B	5	(null)	9	Y	19-MAR-14	5

Query 7:

```
select s.student_name,s.student_id
from student s
full outer join history h
on s.student_id = h.student_id
where h.new_admission = 'Y'
and (h.enrollment_date < TO_DATE ('2 MAY 2020', 'dd Month, YYYY')
and h.enrollment_date > TO_DATE ('4 DEC 2004', 'dd Month, YYYY'));
```

```
44 Query 7:
45 select s.student_name,s.student_id from student s full outer join history h
46 on s.student_id = h.student_id where h.new_admission = 'Y'
47 and (h.enrollment_date < TO_DATE ('2 MAY 2020', 'dd Month, YYYY')
48 and h.enrollment_date > TO_DATE ('4 DEC 2004', 'dd Month, YYYY'));
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_NAME	STUDENT_ID
1	Levi	1
2	Beck	4
3	Cyrus	5
4	Sopoline	6
5	Dana	8

Query 8:

```
select h.student_id, s.student_name, p.parent_id,p.parent_name, p.phone_no,
p.cnic, p.p_job from history h, student s, parent p where
h.new_admission='Y' and (h.Student_ID=s.Student_ID and s.parent_id=
p.parent_id);
```

```
50 Query 8:
51 select h.student_id, s.student_name, p.parent_id,p.parent_name, p.phone_no, p.cnic, p.p_job
52 from history h, student s, parent p where  h.new_admission='Y' and
53 (h.Student_ID=s.Student_ID and s.parent_id= p.parent_id);
54
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_ID	STUDENT_NAME	PARENT_ID	PARENT_NAME	PHONE_NO	CNIC	P_JOB
1	1	Levi	1	Acton	1906241735	426478764	Lorem Tristique Company
2	4	Beck	4	Vivien	291619351	313124281	Ante Ipsum Foundation
3	5	Cyrus	5	Allegra	278538418	184164309	Ultrices Consulting
4	6	Sopoline	6	Pearl	531849594	1104266366	Magna Tellus Faucibus Corp.
5	8	Dana	8	Kyla	838112571	941893208	Ullamcorper Magna Institute

Query 9:

```
Select s.student_id, s.student_name, p.parent_id, p.parent_name,p.phone_no
from student s,parent p where s.parent_id= p.parent_id and s.class_id='1';
```

```
54
55 Query 9:
56 select s.student_id, s.student_name, p.parent_id, p.parent_name,p.phone_no
57 from student s,parent p where s.parent_id= p.parent_id and s.class_id='1';
58
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_ID	STUDENT_NAME	PARENT_ID	PARENT_NAME	PHONE_NO
1	1	Levi	1	Acton	1906241735
2	10	Priscilla	10	Rashad	770794170
3	21	Celeste	11	Ramona	818540551
4	27	Colton	12	Winifred	867478687
5	13	Tamekah	19	Herman	54653233
6	32	Giselle	20	Chadwick	696263698

Query 10:

```
select h.student_id,s.student_name, h.old_class, h.new_class,
h.new_admission, h.enrollment_date from history h, student s where
h.student_id= s.student_id;
```

```
59 Query 10:
60 select h.student_id,s.student_name, h.old_class, h.new_class,
61 h.new_admission, h.enrollment_date from history h,
62 student s where h.student_id= s.student_id;
63
```

Results | Script Output | Explain | Autotrace | DBMS Output | OWA Output

Results:

	STUDENT_ID	STUDENT_NAME	OLD_CLASS	NEW_CLASS	NEW_ADMISSION	ENROLLMENT_DATE
1	1	Levi	(null)	3	Y	01-MAY-10
2	10	Priscilla	5	6	N	23-MAY-10
3	2	Finn	2	3	N	20-JUL-15
4	3	Valentine	6	7	N	30-JUL-09
5	4	Beck	(null)	9	Y	05-SEP-17
6	5	Cyrus	(null)	9	Y	19-MAR-14
7	6	Sopoline	(null)	11	Y	24-MAY-11
8	7	Geoffrey	9	10	N	08-NOV-07
9	8	Dana	(null)	11	Y	02-JAN-11
10	9	Katell	7	8	N	04-DEC-04