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B-Tech. CSE II Yr.

Sec: F (17)

Uni Roll: 201500160

Sub: DBMS Lab

Code: BCSC 0802

Assignment No. 1

Submitted to:

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SQL Queries:

1. select sname, dob from student;

SNAME	DOB
Amy	26-Jun-96
Bob	07-Apr-95
Craig	04-Feb-95
Doris	24-Jul-97
Edward	21-Dec-96
Fay	27-Aug-96
Gary	08-Oct-96
Helen	27-Mar-97
Irene	07-Mar-96
Jay	08-Aug-98
Amy	26-May-96
Craig	27-Aug-98

2. select sname from student where gpa>3.7;

SNAME
Amy
Doris
Fay
Irene
Amy

3. select sname from student where sizehs > 1000 and dob>'31-Dec-96';

SNAME
Jay
Craig

4. select sname from student where gpa>2.9 and gpa<3.9;

SNAME
Bob
Craig
Fay
Gary
Helen
Craig

5. select * from college where state = 'MA';

CNAME	STATE	ENROLLMENT
MIT	MA	10000
Harvard	MA	50040

6. select sname from student where gpa>2.0 and gpa<3.5;

SNAME
Edward
Gary
Jay
Craig

7. select sname from student where dob>'01-Jul-96' order by dob;

SNAME
Fay
Gary
Edward
Helen
Doris
Jay
Craig

8. select sID, cName, decision from apply where decision = 'Y';

SID	CNAME	DECISION
123	Stanford	Y
123	Berkeley	Y
123	Cornell	Y
345	MIT	Y
345	Cornell	Y
678	Stanford	Y
987	Stanford	Y
987	Berkeley	Y
876	MIT	Y
765	Stanford	Y
765	Cornell	Y

9. select sid, cname from apply where cname = 'Stanford';

SID	CNAME
123	Stanford
123	Stanford
678	Stanford
987	Stanford
876	Stanford
765	Stanford

10. select cname from college where enrollment>10001;

CNAME
Stanford
Berkeley
Cornell
Harvard

11. select cname from college where state != 'CA';

CNAME
MIT
Cornell
Harvard

12. select sname from student where sizehs>17000 and
gpa<3.8;

no data found

13. desc student;

Column	Null?	Type
SID	-	NUMBER
SNAME	-	VARCHAR2(10)
GPA	-	NUMBER(2,1)
SIZEHS	-	NUMBER
DOB	-	DATE

14. select * from student;

SID	SNAME	GPA	SIZEHS	DOB
123	Amy	3.9	1000	26-Jun-96
234	Bob	3.6	1500	07-Apr-95
345	Craig	3.5	500	04-Feb-95
456	Doris	3.9	1000	24-Jul-97
567	Edward	2.9	2000	21-Dec-96
678	Fay	3.8	200	27-Aug-96
789	Gary	3.4	800	08-Oct-96
987	Helen	3.7	800	27-Mar-97
876	Irene	3.9	400	07-Mar-96
765	Jay	2.9	1500	08-Aug-98
654	Amy	3.9	1000	26-May-96
543	Craig	3.4	2000	27-Aug-98

15. select distinct major from apply;

MAJOR
psychology
EE
biology
history
bioengineering
CS
marine boilogy

16. select sname from student where sname like '___';

SNAME
Amy
Bob
Fay
Jay
Amy

17. select sname from student where sname like 'H_____';

SNAME
Helen

18. select sname from student where sname like '____e_e%';

SNAME
Irene

19. select sname from student where sname like '%y';

SNAME
Amy
Fay
Gary
Jay
Amy

20. select sname from student order by gpa;

SNAME
Jay
Edward
Craig
Gary
Craig
Bob
Helen
Fay
Irene
Amy
Amy
Doris

21. `select * from student order by gpa , dob desc;`

SID	SNAME	GPA	SIZEHS	DOB
765	Jay	2.9	1500	08-Aug-98
567	Edward	2.9	2000	21-Dec-96
543	Craig	3.4	2000	27-Aug-98
789	Gary	3.4	800	08-Oct-96
345	Craig	3.5	500	04-Feb-95
234	Bob	3.6	1500	07-Apr-95
987	Helen	3.7	800	27-Mar-97
678	Fay	3.8	200	27-Aug-96
456	Doris	3.9	1000	24-Jul-97
123	Amy	3.9	1000	26-Jun-96
654	Amy	3.9	1000	26-May-96
876	Irene	3.9	400	07-Mar-96

22. `select distinct sid from apply where cname = 'Stanford' or cname = 'Cornell' or cname = 'MIT';`

SID
876
543
345
987
678
765
123

23. `delete from apply where cname = 'Stanford';`

5 row(s) deleted

24. `delete from college where cname = 'Stanford';`

1 row(s) deleted

25. update student set gpa = gpa*1.1;

```
2 row(s) updated
```

26. update student set gpa = gpa + 1.5 where gpa<3.5 and
sizehs>1500;

```
1 row(s) updated
```

27. delete from student where gpa<3.2;

```
0 row(s) deleted
```