SQL> --1. LET US NOW WRITE THE QUERY TO FIND THE ADDRESS AND TELEPHONE NUMBER OF ALL STUDENTS FROM OUR SCHOOL DATABASE.
SQL> SELECT SID,ADDRESS,PHONE FROM STUDENT;

```
       SID ADDRESS                  PHONE
---------- -------------------- -- ----------
      8930 15/2 NEW ALIPUR         24750255
      9011 772 LAKE TOWN           24348580
      9025 29/A EAST ROAD          25348580
      9026 9B N.S.C.ROAD           24117137
      9150 B 129 LAKEGARDENS       65182152
      9175 17 A.K. ROAD            23588326
      9176 P.K. ROY SARANI         23710027
      9234 AE52 SALT LAKE          24407890
      9458 21 SOUTH END ROAD       24656677

9 rows selected.
```

SQL> --2. LET US WRITE THE QUERY TO FIND FROM OUR SCHOOL DATABASE THE NAMES OF THE DIFFERENT CITIES FROM WHERE THE STUDENTS HAVE COME.
SQL> SELECT DISTINCT CITY FROM STUDENT;

```
CITY
------------
KOLKATA
HOWRAH
```

SQL> --3. FIND THE NAMES OF ALL STUDENTS WHO ARE RESIDING IN KOLKATA.
SQL> SELECT FNAME,LNAME FROM STUDENT WHERE CITY='KOLKATA';

```
FNAME      LNAME
---------- ------------
SAURO      GHOSAL
DEBRAJ     GHOSH
SAYAN      SEN
REEJU      SEN
DEBARGHA   ROY
SOURAV     PAL
ANSHU      PAL

7 rows selected.
```

SQL> --4. FIND THE NAMES OF ALL STUDENTS WHO ARE RESIDING IN KOLKATA AND WHO ARE IN CLASS 12.
SQL> SELECT FNAME,LNAME,CITY,CLASS FROM STUDENT WHERE CITY='KOLKATA' AND CLASS=12;

```
FNAME     LNAME       CITY           CLASS
--------- ------ ----- ----------- ----------
SAURO     GHOSAL      KOLKATA           12
REEJU     SEN         KOLKATA           12
SOURAV    PAL         KOLKATA           12
ANSHU     PAL         KOLKATA           12
```

SQL> --5. FIND THE NAMES, CITY AND CLASSES OF ALL STUDENTS WHO ARE RESIDING IN KOLKATA AND ARE IN CLASS 12 OR WHO ARE RESIDING IN HOWRAH AND ARE IN CLASS 11.
SQL> SELECT FNAME,LNAME,CITY,CLASS FROM STUDENT WHERE CITY='KOLKATA' AND CLASS=12 OR CITY='HOWRAH' AND CLASS=11;

FNAME	LNAME	CITY	CLASS
SAURO	GHOSAL	KOLKATA	12
REEJU	SEN	KOLKATA	12
YOGESH	KOTHARI	HOWRAH	11
SOURAV	PAL	KOLKATA	12
ANSHU	PAL	KOLKATA	12

SQL> --6. FIND THE NAMES,CITY AND CLASSES OF ALL STUDENTS WHO ARE NOT RESIDING IN KOLKATA.
SQL> SELECT FNAME,LNAME,CITY,CLASS FROM STUDENT WHERE CITY!='KOLKATA';

FNAME	LNAME	CITY	CLASS
YOGESH	KOTHARI	HOWRAH	11
RUBESH	SARKAR	HOWRAH	12

SQL> --7. FIND THE STUDENTS ID AND FIRST LANGUAGE MARKS OF 3ALL STUDENTS WHO HAVE GOT MARKS
BETWEEN 60 AND 70 IN THE ANNUAL EXAMINATION OF 2009.
SQL> SELECT SID,FLANG FROM MARKS WHERE EXAM='ANNUAL' AND FLANG>=60 AND FLANG<=70;

SID	FL
9026	61

SQL> --8. FIND THE FULL DATA OF STUDENTS IN CLASS 11AND SECTION 'D' FROM THE STUDENTS RELATION.
SQL> SELECT * FROM STUDENT WHERE CLASS=11 AND SEC='D';

SID	FNAME	LNAME	ADDRESS	CITY	PIN	PHONE	CLASS	S	CLA
9011	DEBRAJ	GHOSH	772 LAKE TOWN	KOLKATA	700089	24348580	11	D	T01
9150	DEBARGHA	ROY	B 129 LAKEGARDENS	KOLKATA	700045	65182152	11	D	T01

SQL> --9. DISPLAY IDS AND NAMES OF ALL STUDENTS OF CLASS 11 IN ASCENDING ORDER OF THEIR NAMES.
SQL> SELECT SID,FNAME,LNAME FROM STUDENT WHERE CLASS=11 ORDER BY FNAME ASC;

SID	FNAME	LNAME
9150	DEBARGHA	ROY
9011	DEBRAJ	GHOSH
9025	SAYAN	SEN
9175	YOGESH	KOTHARI

SQL> --10. DISPLAY NAME,CLASS AND SECTION OF ALL STUDENTS OF CLASS 11 IN ASCENDING ORDER OF THEIR
CLASSES AND ASCENDING ORDER OF THEIR SECTIONS.
SQL> SELECT SID,FNAME,LNAME,CLASS,SEC FROM STUDENT WHERE CLASS=11 ORDER BY FNAME,SEC ASC;

SID	FNAME	LNAME	CLASS	S
9150	DEBARGHA	ROY	11	D
9011	DEBRAJ	GHOSH	11	D
9025	SAYAN	SEN	11	E
9175	YOGESH	KOTHARI	11	E

SQL> --11. DISPLAY THE ID OF A STUDENT AND HIS AVERAGE MARKS FOR THE LANGUAGE GROUP FLANG AND
SLANG IN THE ANNUAL EXAMINATIONS CONSTRUCTED IN THE YEAR 2009.
SQL> SELECT SID,(FLANG+SLANG)/2 AS AVG FROM MARKS WHERE EXAM='ANNUAL' AND YEAR=2009;

```
       SID        AVG
---------- ----------
      9011         57
      9026         42
      9150       57.5
      9175       46.5
```

SQL> --12. DISPLAY THE ID OF STUDENTS AND THEIR FLANG AND SLANG MARKS IN THE ANNUAL EXAMINATION OF
2009,WHOSE AVERAGE OF LANGUAGE MARKS IS >=50.
SQL> SELECT SID,FLANG,SLANG FROM MARKS WHERE (FLANG+SLANG)/2 >= 50 AND EXAM='ANNUAL';

```
       SID    FL    SL
-------------- -- --
      9011    57    57
      9150    56    59
```

SQL> --13. FIND THE ID AND NAMES OF ALL STUDENTS WHOSE 4 DIGITS ID START WITH THE DIGITS '90'.
SQL> SELECT SID,FNAME,LNAME FROM STUDENT WHERE SID LIKE '90__';

```
       SID    FNAME      LNAME
---------- ---------- ------------
      9011    DEBRAJ     GHOSH
      9025     SAYAN       SEN
      9026     REEJU       SEN
```

SQL> --14. FIND THE NAMES OF STUDENTS WHOSE FIRST NAME STARTS WITH THE ALPHABETS 'DEB' .
SQL> SELECT FNAME,LNAME FROM STUDENT WHERE FNAME LIKE 'DEB%';

```
    FNAME      LNAME
---------- ------------
    DEBRAJ     GHOSH
  DEBARGHA       ROY
```

SQL> --15. FIND THE NAMES OF STUDENTS WHOSE FIRST NAME ARE AT LEAST 8 CHARACTERS IN LENGTH.
SQL> SELECT FNAME,LNAME FROM STUDENT WHERE FNAME LIKE '_____%';

```
    FNAME      LNAME
---------- -----------
  DEBARGHA       ROY
```

SQL> --16. FIND THE NAMES OF STUDENTS WHOSE FIRST NAME STARTS WITH 'S' AND ARE
AT LEAST 6 CHARACTERS IN LENGTH.
SQL> SELECT FNAME,LNAME FROM STUDENT WHERE FNAME LIKE 'S%' AND FNAME LIKE '_____%';

```
    FNAME      LNAME
---------- ------------
    SOURAV       PAL
```

SQL> --17. COUNT THE NUMBER OF TUPLES IN THE TEACHER RELATION.
SQL> SELECT COUNT (*) FROM TEACHER;

```
  COUNT(*)
------------
        10
```

SQL> --18. COUNT THE NUMBER OF TUPLES IN THE MARKS RELATION WHERE THE MARKS IN THE OPTIONAL SUBJECT (THE OPT ATTRIBUTES) IS MORE THAN OR EQUAL TO 80 FOR THE ANNUAL EXAMINATION OF 2009.
SQL> SELECT COUNT (*) FROM MARKS WHERE OPT>=80 AND EXAM='ANNUAL';

```
  COUNT(*)
----------
         2
```

SQL> --19. COUNT THE NUMBER OF DIFFERENT CITIES FROM WHERE THE STUDENTS HAVE COME.
SQL> SELECT COUNT (DISTINCT CITY) FROM STUDENT;

```
COUNT(DISTINCTCITY)
-------------------
                  2
```

SQL> --20. FIND THE SUM OF THE FEES COLLECTED FOR THE MONTH OF JANUARY FOR THE YEAR 2009 FROM THE FEES RELATION (NOTE THAT THE MONTH OF JANUARY IS REPRESENTED BY THE MONTH VALUE 1).
SQL> SELECT SUM(AMOUNT) FROM FEES WHERE MONTH=1;

```
SUM(AMOUNT)
-----------
       4670
```

SQL> --21. FIND THE AVERAGE MARKS IN THE OPTIONAL SUBJECT FROM THE MARKS TABLE FOR SELECTION EXAMINATION OF THE YEAR 2009.
SQL> SELECT AVG(OPT) FROM MARKS WHERE YEAR=2009;

```
  AVG(OPT)
----------
        87
```

SQL> --22. FIND THE MAXIMUM AND MINIMUM MARKS IN FIRST LANGUAGE (FLANG) FROM THE MARKS TABLE FOR ANNUAL EXAMINATION OF THE YEAR 2009.
SQL> SELECT MAX(FLANG),MIN(FLANG) FROM MARKS WHERE YEAR=2009;

```
MA  MI
---- - --
65   29
```

SQL> --23. FIND A COUNT OF EACH INDIVIDUAL CITY FROM WHERE THE STUDENTS ARE COMING.
SQL> SELECT CITY,COUNT(SID) FROM STUDENT GROUP BY CITY;

```
CITY     COUNT(SID)
------   ----------
KOLKATA           7
HOWRAH            2
```

SQL> --24. FIND A COUNT OF STUDENT STRENGTH IN EACH CLASS AND SECTION.
SQL> SELECT CLASS,SEC,COUNT(SID) FROM STUDENT GROUP BY CLASS,SEC;

```
CLASS    S  COUNT(SID)
-------- --- ---------------
     11  E           2
     12  C           3
     11  D           2
     12  E           2
```

SQL> --25. FIND A COUNT OF THE STUDENT STRENGTH IN EACH CLASS AND SECTION WHOSE STUDENT COUNT VALUE IS GREATER THAN 2 FOR A GIVEN CLASS AND SECTION.
SQL> SELECT COUNT(SID) AS STU_STRENGTH,CLASS,SEC FROM STUDENT GROUP BY CLASS,SEC
 HAVING COUNT(SID) > 1;

STU_STRENGTH	CLASS	S
2	11	E
3	12	C
2	11	D
2	12	E

SQL> --26. DISPLAY THE AVERAGE OF MARKS FOR THE OPTIONAL SUBJECT OPT IN THE DIFFERENT EXAM CONDUCT IN THE YEAR 2009.
SQL> SELECT EXAM,AVG(OPT) FROM MARKS GROUP BY EXAM;

EXAM	AVG(OPT)
ANNUAL	84.25
SELECTION	87.6666667

SQL> --27. DISPLAY THE ID,CLASS AND SECTION OF THE STUDENT WITH ID NUMBERS 9175, 9234, AND 9458.
SQL> SELECT SID,CLASS,SEC FROM STUDENT WHERE SID=9175 OR SID=9234 OR SID=9458;

SID	CLASS	S
9175	11	E
9234	12	C
9458	12	E

SQL> --28. DISPLAY THE ID, FIRST LANGUAGE MARKS OF STUDENT WHOSE FIRST LANGUAGE MARKS IN THE SELECTION EXAMINATION OF 2009 IS MORE THAN ANY OF THE MARKS 64 OR 62.
SQL> SELECT SID,FLANG FROM MARKS WHERE YEAR=2009 AND EXAM='SELECTION' AND FLANG>=62 OR FLANG>=64;

SID	FL
9025	64
9234	62
9458	65

SQL> --35. FIND THE ID,NAME,CLASS AND THE SECTION OF THE STUDENTS TABLE WHO HAVE SCORED MORE THAN OR EQUAL TO 90 IN THEIR OPTIONAL SUBJECT I.E,IN OPT IN THE ANNUAL EXAMINATION 2009.
SQL> SELECT STUDENT.SID,STUDENT.FNAME,STUDENT.LNAME,STUDENT.CLASS,STUDENT.SEC
  2 FROM STUDENT JOIN MARKS
  3 ON STUDENT.SID = MARKS.SID
  4 WHERE OPT>=90 AND EXAM='ANNUAL' AND YEAR=2009;

SID	FNAME	LNAME	CLASS	S
9026	REEJU	SEN	12	C
9150	DEBARGHA	ROY	11	D

SQL> --37. FIND THE ID, NAME OF TEACHER WHO ARE NOT HEADS OF ANY DEPARTMENT.
SQL> SELECT TEACHER.TID,TEACHER.FNAME,TEACHER.LNAME FROM TEACHER
  2 WHERE TEACHER.TID NOT IN (SELECT SUBJECT.HODTID FROM SUBJECT);

```
                                        TID   FNAME     LNAME
                                        ---   --------- ------------
                                        T11   ARIJIT    HAZRA
                                        T13   DEEP      DEY
```

SQL> --38. LIST NAMES OF THE ALL STUDENTS WHO ARE IN THE SAME CLASS AS ANSHUMAN PAL.
SQL> SELECT FNAME,LNAME FROM STUDENT WHERE CLASS=(SELECT CLASS FROM STUDENT WHERE
FNAME='ANSHU');

```
                                        FNAME      LNAME
                                        ---------- ------------
                                        SAURO      GHOSAL
                                        REEJU      SEN
                                        RUBESH     SARKAR
                                        SOURAV     PAL
                                        ANSHU      PAL
```

SQL> --39. LIST NAME OF STUDENTS WHO HAVE THE CITY AND PIN AS TEACHER TRINANJAN DUTT.
SQL> SELECT STUDENT.FNAME,STUDENT.LNAME
 2 FROM STUDENT JOIN TEACHER ON STUDENT.CLASSTR = TEACHER.TID
 3 WHERE STUDENT.ADDRESS=(SELECT TEACHER.ADDRESS FROM TEACHER WHERE TEACHER.FNAME='TRINANJAN');

```
                                        NO ROWS SELECTED
```

SQL> --40. LIST SID AND ELEC2 MARKS OF STUDENTS WHO HAVE GOT MORE MARKS IN THE ELEC2 SUBJECT THAN
ANY OF THE MARKS IN THE ELEC1 SUBJECT IN THE ANNUAL EXAM OF 2009.
SQL> SELECT SID,ELEC2 FROM MARKS WHERE ELEC2>ELEC1 AND EXAM='ANNUAL' AND YEAR=2009;

```
                                              SID  EL
                                        ---------- --
                                              9026 76
```

SQL> --41. LIST SID OF STUDENTS AND THE MARKS OBTAINED BY THEM WHO HAVE GOT THE HIGHEST MARKS IN THE
SELECTION EXAMINATION OF 2009 IN THE ELECTIVE SUBJECT ELEC3.
SQL> SELECT SID,ELEC3 FROM MARKS WHERE ELEC3=(SELECT MAX(ELEC3) FROM MARKS) AND YEAR=2009 AND
EXAM='SELECTION';

```
                                              SID  EL
                                        ---------- --
                                              8930 90
                                              9458 90
```

SQL> --42. LIST NAME ,CLASS AND SECTION OF STUDENTS WHO HAVE CLASS TEACHERS WHO ARE ALSO HOD OF A
PARTICULAR SUBJECT.
SQL> SELECT STUDENT.FNAME,STUDENT.LNAME,STUDENT.CLASS,STUDENT.SEC
 2 FROM STUDENT JOIN SUBJECT ON STUDENT.CLASSTR = SUBJECT.HODTID
 3 WHERE STUDENT.CLASSTR=SUBJECT.HODTID;

```
                              FNAME      LNAME        CLASS S
                              ---------- ------------ ---------- -
                              SOURAV     PAL          12 C
                              SAURO      GHOSAL       12 C
                              REEJU      SEN          12 C
                              DEBARGHA   ROY          11 D
```

```
                                              DEBRAJ    GHOSH         11 D
                                              ANSHU     PAL           12 E
                                              RUBESH    SARKAR        12 E
                                              SAYAN     SEN           11 E

                                                   8 rows selected.
```

SQL> --44. LIST NAME ,CLASS AND SECTION OF STUDENTS WHO HAVE FAILED IN THE ANNUAL EXAMINATION OF
2009 IN THE SUBJECT SLANG.
SQL> SELECT STUDENT.FNAME,STUDENT.LNAME,STUDENT.CLASS,STUDENT.SEC
  2 FROM STUDENT JOIN MARKS ON STUDENT.SID = MARKS.SID
  3 WHERE MARKS.SLANG<=30;

```
                                      FNAME      LNAME          CLASS S
                                      ---------- ------------   ---------- -
                                        REEJU      SEN            12 C
                                      RUBESH     SARKAR          12 E
```

SQL> --45. FIND THE NAME AND PHONE NUMBER OF THE HEAD OF THE PHYSICS DEPERTMENT.
SQL> SELECT TEACHER.FNAME,TEACHER.LNAME,TEACHER.PHONE
  2 FROM TEACHER JOIN SUBJECT ON TEACHER.TID = SUBJECT.HODTID
  3 WHERE SUBJECT.SUBNAME='PHYSICS';

```
                                      FNAME      LNAME        PHONE
                                      ---------- --------   --- ----------
                                      SATYEN     BOSE        24220211
```

SQL> --46. FIND THE NAME OF 2 STUDENTS WHO HAVE THE SAME LAST NAME.
SQL> CREATE VIEW S1 AS SELECT SID,FNAME,LNAME FROM STUDENT;
VIEW CREATED.

SQL> CREATE VIEW S2 AS SELECT SID,FNAME,LNAME FROM STUDENT;
VIEW CREATED.

SQL> SELECT S1.FNAME,S1.LNAME FROM S1,S2
  2 WHERE S1.FNAME!=S2.FNAME AND S1.LNAME=S2.LNAME;

```
                                           FNAME      LNAME
                                           ---------- ------------
                                             REEJU      SEN
                                             SAYAN      SEN
                                             ANSHU      PAL
                                             SOURAV     PAL
```

SQL> --47. FIND THE NAME OF 2 STUDENT WHO HAVE THE SAME ADDRESS.
SQL> CREATE VIEW S3 AS SELECT SID,FNAME,LNAME,ADDRESS FROM STUDENT;
VIEW CREATED.

SQL> CREATE VIEW S4 AS SELECT SID,FNAME,LNAME,ADDRESS FROM STUDENT;
VIEW CREATED.

SQL> SELECT S3.FNAME,S3.LNAME FROM S3,S4
  2 WHERE S3.SID!=S4.SID AND S3.ADDRESS=S4.ADDRESS;

                                                   no rows selected
```

```
SQL> --49. INSERT THE  DATA  FOR  A  TEACHER  INTO  THE  TEACHER  TABLE.
SQL> INSERT INTO TEACHER VALUES('T13','DEEP','DEY','52/A  SURVEY PARK','KOLKATA',700034, 24221234,'20-SEP-
1952','S4');

1 row created.

SQL> SELECT * FROM TEACHER;
```

TID	FNAME	LNAME	ADDRESS	CITY	PIN	PHONE	DOB	SU
T01	SATYEN	BOSE	29 SANTOSHPUR ROAD	KOLKATA	700034	24220211	12-OCT-59	S8
T02	P.C.	ROY	21/3 N.S.C ROAD	BARACKPORE	710074	24648440	21-JUN-55	S3
T03	PRABIR	MAJUMDER	52/A SURVEY PARK	KOLKATA	700034	24221459	08-SEP-52	S7
T04	JOYDIP	BHATT	387 LAKE GARDENS	KOLKATA	700045	24222858	02-SEP-71	S4
T05	PULOK	KUNDU	22/B SURVEY PARK	KOLKATA	700034	24222211	10-OCT-65	S9
T06	TUHIN	ROY	18 R. AVENUE	BUDGE BUDGE	720120	24645346	09-FEB-49	S2
T07	AVIK	DEY	82/6 BALLYGUNGE	KOLKATA	700019	24403547	02-JUL-44	S1
T08	SIMI	TALWAR	30/B K.ROY ROAD	BARACKPORE	710025	24540137	19-DEC-65	S6
T11	ARIJIT	HAZRA	2 NEW BALLYGUNGE	KOLKATA	700019	24408880	22-MAY-75	S3
T12	TRINANJAN	DUTT	AB46 SALT LAKE	KOLKATA	700090	24113042	22-AUG-50	S5
T13	**DEEP**	**DEY**	**52/A SURVEY PARK**	**KOLKATA**	**700034**	**24221234**	**20-SEP-52**	**S4**

```
11 rows selected.

SQL> --50. INSERT THE DATA FOR A NEW SUBJECT BIOLOGY INTO THE SUBJECT TABLE.
SQL> --ALREADY ADDED;

SQL> --51. INSERT THE MARKS DATA FOR THE SELECTION EXAM OF 2009 FOR THE STUDENT WHOSE SID NUMBER
9234 FOR THE SUBJECTS FLANG=60, SLANG=55 AND OPT=80.
SQL> INSERT INTO MARKS VALUES(9234,'SELECTION',2009,60,55,'','','',80);

1 row created.

SQL> SELECT * FROM MARKS;
```

SID	EXAM	YEAR	FL	SL	EL	EL	EL	OP
8930	SELECTION	2009	55	61	80	78	90	88
9011	ANNUAL	2009	57	57	87	78	87	75
9025	SELECTION	2009	64	60	89	75	84	89
9026	ANNUAL	2009	61	23	75	76	82	93
9150	ANNUAL	2009	56	59	79	74	78	90
9175	ANNUAL	2009	29	64	82	66	80	79
9176	SELECTION	2009	55	28	90	79	87	87
9234	SELECTION	2009	62	60	80	76	81	85
9458	SELECTION	2009	65	60	88	95	90	97
9234	SELECTION	2009	60	55				80

```
                                                                  10 rows selected.

SQL> --52. CHANGE THE CITY NAME FROM KOLKATA TO CALCUTTA IN ALL THE TUPLES OF STUDENT TABLE.
SQL> UPDATE STUDENT SET CITY='CALCUTTA' WHERE CITY='KOLKATA';

7 rows updated.
```

```
SQL> SELECT SID,FNAME,CITY FROM STUDENT;

                                                    SID      FNAME        CITY
                                                  -------  ---------- ----------  ------------
                                                    8930       SAURO    CALCUTTA
                                                    9011      DEBRAJ    CALCUTTA
                                                    9025       SAYAN    CALCUTTA
                                                    9026       REEJU    CALCUTTA
                                                    9150  DEBARGHA    CALCUTTA
                                                    9175     YOGESH     HOWRAH
                                                    9176     RUBESH     HOWRAH
                                                    9234     SOURAV    CALCUTTA
                                                    9458      ANSHU    CALCUTTA

                                                            9 rows selected.

SQL> --53.  CHANGE THE HODTID TO T10 FOR THE SUBJECT` PHYSICS' FROM THE SUBJECT TABLE.
SQL> INSERT INTO TEACHER VALUES('T10','RAHUL','GANGOPADHYAY','387 LAKE
GARDENS','KOLKATA',700045,24228896,'28-SEP-1952','S8');

1 row created.

SQL> UPDATE SUBJECT SET HODTID='T10' WHERE SUBNAME='PHYSICS';

1 row updated.

SQL> SELECT* FROM SUBJECT;

                                                SU      SUBNAME    HOD  THEORY  LAB
                                              ------    -- ---------- --- ---------- ----------
                                                S1        BENGALI   T07     100      0
                                                S2        BIOLOGY   T06      80     20
                                                S3     CHEMISTRY   T02      80     20
                                                S4     COMPUTER   T04      70     30
                                                S5       ENGLISH   T12     100      0
                                                S6         HINDI   T08     100      0
                                                S7   MATHEMATICS T03     100      0
                                                S8       PHYSICS   T10      80     20
                                                S9     STATISTICS  T05      80     20

9 rows selected.

SQL> --54. CHANGE THE MARKS FOR THE OPTIONAL SUBJECT TO 85 AND FLANG TO 55 FOR THE SELECTION
EXAMINATION OF 2009 FOR THE STUDENT WITH SID=9234.
SQL> UPDATE MARKS SET OPT=85,FLANG=55 WHERE EXAM='SELECTION' AND SID=9234  AND YEAR=2009;

2 rows updated.

SQL> SELECT * FROM MARKS;

                                                SID      EXAM       YEAR FL SL EL EL EL OP
                                              ---------- ---------- ---------- -- -- -- -- -- --
                                                8930   SELECTION     2009 55 61 80 78 90 88
                                                9011    ANNUAL       2009 57 57 87 78 87 75
                                                9025   SELECTION     2009 64 60 89 75 84 89
                                                9026    ANNUAL       2009 61 23 75 76 82 93
                                                9150    ANNUAL       2009 56 59 79 74 78 90
```

```
                                            9175   ANNUAL      2009 29 64 82 66 80 79
                                            9176   SELECTION   2009 55 28 90 79 87 87
                                            9234   SELECTION   2009 55 60 80 76 81 85
                                            9458   SELECTION   2009 65 60 88 95 90 97
                                            9234   SELECTION   2009 55 55          85

                                                                10 rows selected.
```

SQL> --55. CHANGE THE LAST NAME TO 'GANGULI' IN PLACE TO 'GANGOPADHYAY' IN THE TEACHER TABLE.
SQL> UPDATE TEACHER SET LNAME='GANGULY' WHERE LNAME='GANGOPADHYAY';

1 row updated.

SQL> SELECT TID,FNAME,LNAME FROM TEACHER;

```
                        TID     FNAME       LNAME
                        ---     ----------  ------------
                        T01     SATYEN      BOSE
                        T02     P.C.        ROY
                        T03     PRABIR      MAJUMDER
                        T04     JOYDIP      BHATT
                        T05     PULOK       KUNDU
                        T06     TUHIN       ROY
                        T07     AVIK        DEY
                        T08     SIMI        TALWAR
                        T11     ARIJIT      HAZRA
                        T12     TRINANJAN   DUTT
                        T13     DEEP        DEY
                        T10     RAHUL       GANGULY

                                            12 rows selected.
```

SQL> --56. IF A STUDENT GOT MORE THAN 25 BUT LESS THAN 30 IN SECONG LANGUAGE IN THE SELECTION EXAMINATION OF 2009,THEN CHANGE THAT TO 30 FOR ALL SUCH STUDENT FOR GRACE MARKS.
SQL> UPDATE MARKS SET SLANG=30 WHERE EXAM='SELECTION' AND YEAR=2009 AND SLANG<=30 AND SLANG>=25;

1 row updated.

SQL> SELECT * FROM MARKS;

```
                        SID       EXAM        YEAR FL SL EL EL EL OP
                        --------- ----------  ---------- -- -- -- -- -- --
                        8930      SELECTION   2009 55 61 80 78 90 88
                        9011      ANNUAL      2009 57 57 87 78 87 75
                        9025      SELECTION   2009 64 60 89 75 84 89
                        9026      ANNUAL      2009 61 23 75 76 82 93
                        9150      ANNUAL      2009 56 59 79 74 78 90
                        9175      ANNUAL      2009 29 64 82 66 80 79
                        9176      SELECTION   2009 55 30 90 79 87 87
                        9234      SELECTION   2009 55 60 80 76 81 85
                        9458      SELECTION   2009 65 60 88 95 90 97
                        9234      SELECTION   2009 55 55          85

                                            10 rows selected.
```