Name : Abhishek Kumar
Roll Number : 2005982
Branch : CSE 21
Subject : DBMS
Lab Report 4

```
SQL> connect Abhishek/2005982
Connected.
SQL> desc student;
 Name                         Null?   Type
 ----------------------------------- ------- -------------------------
 STUDENTID                    NOT NULL CHAR(5)
 LAST                         NOT NULL VARCHAR2(15)
 FIRST                        NOT NULL VARCHAR2(15)
 STREET                       VARCHAR2(25)
 CITY                         VARCHAR2(15)
 STATE                        VARCHAR2(2)
 ZIP                          VARCHAR2(5)
 STARTTERM                    CHAR(4)
 BIRTHDAY                     DATE
 FACULTYID                    NUMBER(3)
 MAJORID                      NUMBER(3)
 PHONE                        CHAR(10)

SQL> desc faculty;
 Name                         Null?   Type
 ----------------------------------- ------- -------------------------
 FACULTYID                    NOT NULL NUMBER(3)
 NAME                         NOT NULL VARCHAR2(15)
 ROOMID                       NUMBER(2)
 PHONE                        CHAR(3)
 DEPTID                       NUMBER(1)

SQL> desc crossection;
 Name                         Null?   Type
 ----------------------------------- ------- -------------------------
 CSID                         NOT NULL NUMBER(4)
 COURSEID                     NOT NULL VARCHAR2(6)
 SECTION                      CHAR(2)
 TERMID                       NOT NULL CHAR(4)
 FACULTYID                    NUMBER(3)
 DAY                          VARCHAR2(2)
 STARTTIME                    VARCHAR2(5)
 ENDTIME                      VARCHAR2(5)
 ROOMID                       NUMBER(2)
 MAXCOUNT                     NUMBER(2)

SQL> desc course;
 Name                         Null?   Type
 ----------------------------------- ------- -------------------------
 COURSEID                     NOT NULL VARCHAR2(6)
 TITLE                        VARCHAR2(20)
```

```
 CREDITS                    NUMBER(1)
 PREREQ                     VARCHAR2(6)


SQL> desc registration;;
SP2-0565: Illegal identifier.
SQL> desc registration;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 STUDENTID                 NOT NULL CHAR(5)
 CSID              NOT NULL NUMBER(4)
 MIDTERM                   CHAR(1)
 FINAL            CHAR(1)
 REGSTATUS                 CHAR(1)


SQL> desc room;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 ROOMTYPE                  NOT NULL CHAR(1)
 ROOMDESC                  VARCHAR2(9)


SQL> desc location;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 ROOMID                    NOT NULL NUMBER(2)
 BULIDING                  NOT NULL VARCHAR2(7)
 ROOMNO                    NOT NULL CHAR(3)
 CAPACITY                  NUMBER(2)
 ROOMTYPE                  CHAR(1)


SQL> desc term;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 TERMID                    NOT NULL CHAR(4)
 TERMDESC                  VARCHAR2(11)
 STARTDATE                 DATE
 ENDDATE                   DATE


SQL> desc department;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 DEPTID                    NOT NULL NUMBER(1)
 DEPTNAME                  VARCHAR2(20)
 FACULTYID                 NUMBER(3)


SQL> desc major;
 Name                      Null?   Type
 ---------------------------------- ------- -------------------------
 MAJORID                   NOT NULL NUMBER(3)
 MAJORDESC                 VARCHAR2(25)




SQL> select * from student;

STUDE LAST      FIRST     STREET          CITY
```

```
----- -------------- -------------- ----------------------- --------------
ST ZIP  STAR BIRTHDAY  FACULTYID   MAJORID PHONE
-- ----- ---- -------- --------- --------- ---------
100  DIAZ       JOSE      1 FORD AVENUE #7      HILL
NJ 8863  WN03 02-DEC-83     123      100 973555111


101  TYLER      MICKEY     12 MORRIS AVENUE      BRONX
NY 10468 SP03 18-MAR-84     555      500 718555222


102  PATEL      RAJESH     23 RIVER ROAD #3      EDISON
NJ 8837  WN03 12-DEC-85     111      400 732555333



STUDE LAST      FIRST      STREET        CITY
----- -------------- -------------- ----------------------- --------------
ST ZIP  STAR BIRTHDAY  FACULTYID   MAJORID PHONE
-- ----- ---- -------- --------- --------- ---------
103  RICKLES     DEBORAH     100 MAIN STREET      ISELIN
NJ 8838  FL02 20-OCT-70     555      500 732555444


104  LEE       BRIAN     2845 FIRST LANE      HOP
NY 11373 WN03 28-NOV-85     345      600 212555555


105  KHAN      AMIR      213 BROADWAY       CLIFTON
NJ 7222  WN03 07-JUL-84     222      200 201555666



6 rows selected.

SQL> select * from faculty;

 FACULTYID NAME        ROOMID PHO   DEPTID
---------- -------------- ---------- --- ----------
    111 JONES       11 525    1
    222 WILLIAMS      20 533     2
    123 MOBLEY       11 529     1
    235 VAJPAYEE      12 577     2
    345 SEN        12 579     3
    444 RIVERA      21 544     4
    555 CHANG       17 587     5
    333 COLLINS      17 599     3

8 rows selected.

SQL> select * from crossection;

   CSID COURSE SE TERM  FACULTYID DA START ENDTI   ROOMID  MAXCOUNT
---------- ------ -- ---- ---------- -- ----- ----- ---------- ----------
   1101 CIS265 1  WN03     111 MW 09:00 10:30     13     30
   1102 CIS253 1  WN03     123 TR 09:00 10:30     18     40
   1103 MA150  2  WN03     444 F  09:00 12:00     15     25
   1104 AC101  10 WN03     345 MW 10:30 12:00     16     35
   1205 CIS265 1  SP03       MW 90:00 10:30    14     35
   1206 CIS265 2  SP03     111 TR 09:00 10:30     18     30
   1207 la123  5  SP03       MW 09:00 10:30    15     30
   1208 CIS253 21 SP03     123 TR 09:00 10:30     14     40
   1209 CIS253 11 SP03     111 MW 09:00 10:30     18     40
```

```
    1210 CIS253 31 SP03     123 F  TBA   TBA        19      2

10 rows selected.

SQL> select * from course;

COURSE TITLE              CREDITS PREREQ
------ ------------------- ---------- ------
en100  basic english          0
la123  english literature     3 en100
CIS253 DATABASE SYSTEMS        3
CIS265 SYSTEM ANALYSIS         3 CIS253
MA150  COLLEGE ALGEBRA         3
AC101  ACCOUNTING              3

6 rows selected.

SQL> select * from registration;

STUDE     CSID M F R
----- ---------- - - -
100      1103 C F R
100      1102 B B R
100      1104 B A R
102      1102 F D R
102      1103 A A R
103      1101 F W W
103      1104 D D R
100      1207   X
103      1206   W
104      1206   X
104      1207   R

STUDE     CSID M F R
----- ---------- - - -
104      1210   R
105      1208   R
105      1209   X
101      1205   X
102      1210   R
102      1207   R
102      1206   X

18 rows selected.

SQL> select * from room;

R ROOMDESC
- ---------
L LAB
C CLASSROOM
O OFFICE

SQL> select * from location;

   ROOMID BULIDIN ROO  CAPACITY R
---------- ------- --- ---------- -
```

```
    11 GANDHI  101       2 O
    12 GANDHI  103       2 O
    13 KENNEDY 202      35 L
    14 KENNEDY 204      50 L
    15 NEHRU   301      50 C
    16 NEHRU   309      45 C
    17 GANDHI  105       2 O
    18 KENNEDY 206      40 L
    19 KENNEDY 210      30 L
    20 GANDHI  107       2 O
    21 GANDHI  109       2 O

11 rows selected.

SQL> select * from term;

TERM TERMDESC    STARTDATE ENDDATE
---- ----------- --------- ---------
SP02 SPRING 2002 28-MAR-02 16-AUG-02
FL02 FALL 2002   08-SEP-02 20-DEC-02
WN03 WINTER 2003 05-JAN-03 18-APR-03
SP03 SPRING 2003 27-APR-03 15-AUG-03
FL03 FALL 2003   07-SEP-03 19-DEC-03

SQL> select * from department;

  DEPTID DEPTNAME           FACULTYID
---------- ------------------- ----------
     1 COMPUTER SCIENCE        111
     2 TELECOMMUNICATIONS      222
     3 ACCOUNTING              333
     4 MATHS AND SCIENCE       444
     5 LIBERAL ARTS            555

SQL> select * from major;

  MAJORID MAJORDESC
---------- -----------------------
    100 AAS-ACCOUNTING
    200 AAS-COMPUTER SCIENCE
    300 AAS-TELECOMMUNICATION
    400 BS-ACCOUNTING
    500 BS-COMPUTER SCIENCE
    600 BS-TELECOMMUNICATION

6 rows selected.

SQL> select constraint_name,table_name from user_constraints;

CONSTRAINT_NAME           TABLE_NAME
-------------------------- ----------------------------
SYS_C009406               COUNTRIES
SYS_C009407               JOBS
SYS_C009408               JOBS
SYS_C009409               JOBS
SYS_C009410               COUNTRIES1
SYS_C009439               STUDENT
```

```
SYS_C009440              STUDENT
SYS_C009441              FACULTY
SYS_C009442              CROSSECTION
SYS_C009443              CROSSECTION
SYS_C009444              LOCATION


CONSTRAINT_NAME            TABLE_NAME
-------------------------- --------------------------
SYS_C009445              LOCATION
S_ID            STUDENT
F_ID            FACULTY
C_ID            CROSSECTION
CR_ID            COURSE
R_TY            ROOM
R_ID            LOCATION
T_ID            TERM
DE_ID            DEPARTMENT
M_ID            MAJOR
ST_ID            STUDENT


CONSTRAINT_NAME            TABLE_NAME
-------------------------- --------------------------
FT_ID            STUDENT
MA_ID            STUDENT
RO_ID            FACULTY
DPT_ID            FACULTY
COR_ID            CROSSECTION
TE_ID            CROSSECTION
FTY_ID            CROSSECTION
ROO_ID            CROSSECTION
PRE_ID            COURSE
RO_TY            LOCATION
FAC_ID            DEPARTMENT


CONSTRAINT_NAME            TABLE_NAME
-------------------------- --------------------------
MC_ID            CROSSECTION
CER_ID            COURSE
MID_ID            REGISTRATION
FIN_ID            REGISTRATION
REG_ST            REGISTRATION
CAP_ID            LOCATION
PH_NO            FACULTY
TI_ID            COURSE
R_NO            LOCATION
ST_CS_ID            REGISTRATION
----------------------------------------------------------------------------------
```