

**SCHOOL MANAGEMENT SYSTEM**

**SUBMITTED BY**

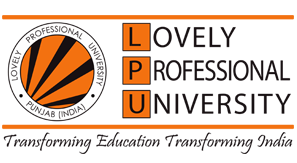
**AKASH KUMAR NADIPALLI**

**12007137**

**SUBMITTED TO**

**Richa Sharma: 27957**





**INTRODUCTION:**

This project deals with the management criteria of the school. School is a place where the job is to admit the students, keep their records, take the examination, and give mark sheets and fulfilling their requirements. They are required to store the valuable data/ information’s for a longer period with easy accessing and manipulation of the same.

This project enables the School Staff in various school departments to handle the records efficiently, in comparatively lesser time with greater accuracy and hence improving the efficiency & reliability of staff. The project deals with various aspects of school functions viz. administration of the school management, registration of the incoming students, their admission in the school.

**Objective of the Project:**

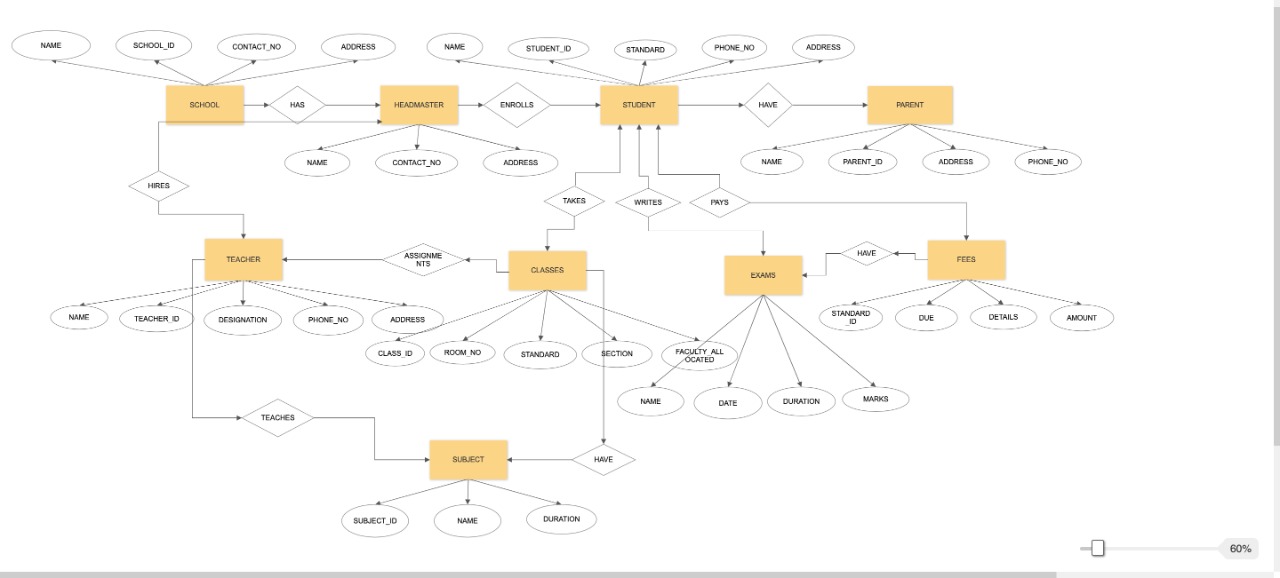
The main objectives behind developing this project are as follows:

* To utilize resource of the institution in an efficient manner by increasing their productivity through automation.
* The system generates several types of reports that can be then used for various purposes.

Likewise, there are several objectives behind developing the “SCHOOL MANAGEMENT SYSTEM” and it reduces a lot of burden from the staff by simplifying the tasks etc.

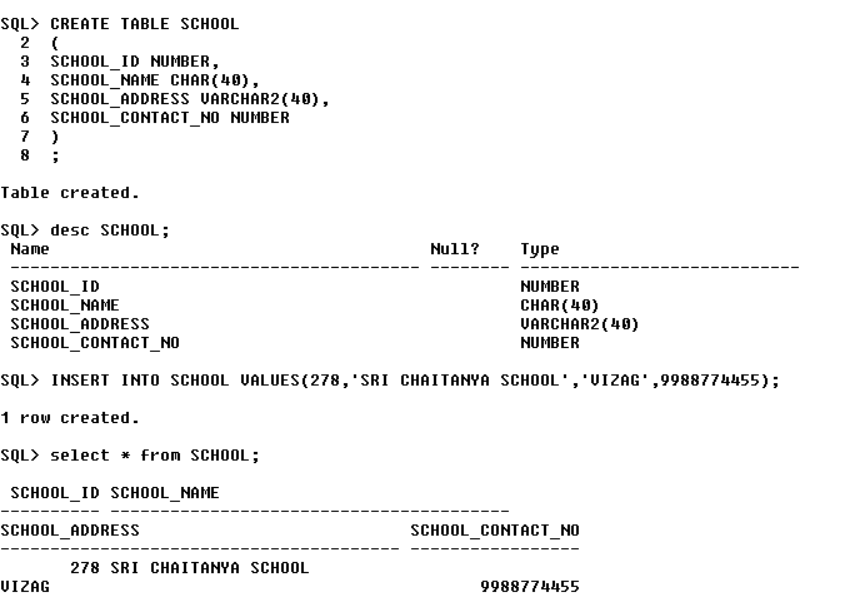
The system generates a predetermined output on having the related input based on output for the required inputs are thought. No system can produce output without having the require input. The SCHOOL MANAGEMENT SYSTEM takes its various inputs through its Entry Forms. The system takes information about a particular Class through the module Add New Class and uses some of this information in enquiry module. The system takes information about Student through the module New Student which keeps information about new Student. The system also gets the details of student.

**ER Diagram:**



**Tables:**

* TABLE SCHOOL

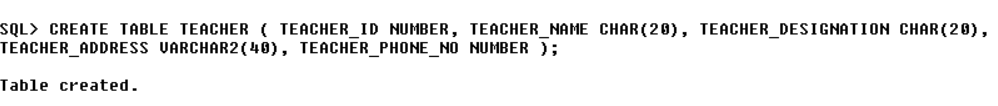


* TABLE HEADMASTER

Text

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* TABLE TEACHER



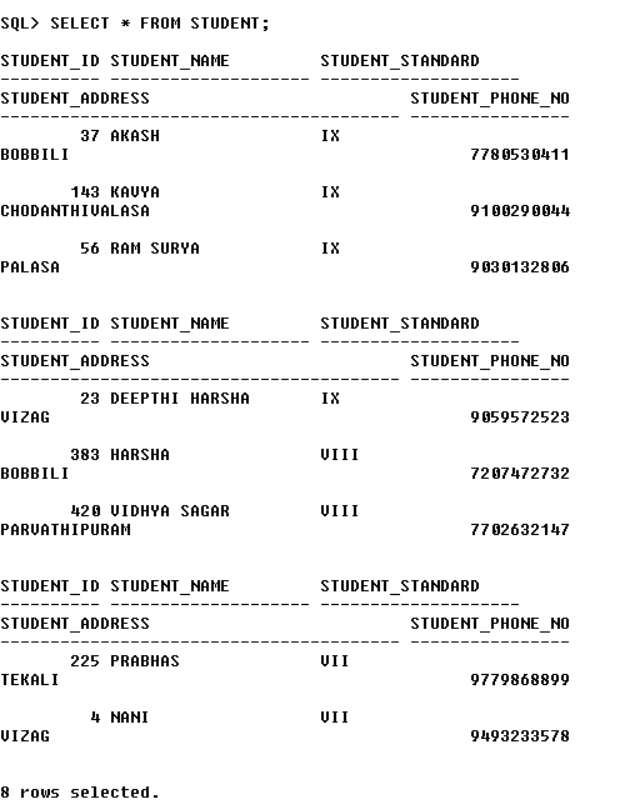
Table

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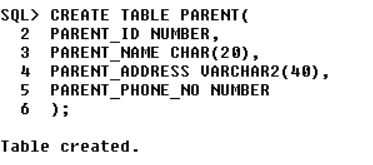
* TABLE STUDENT

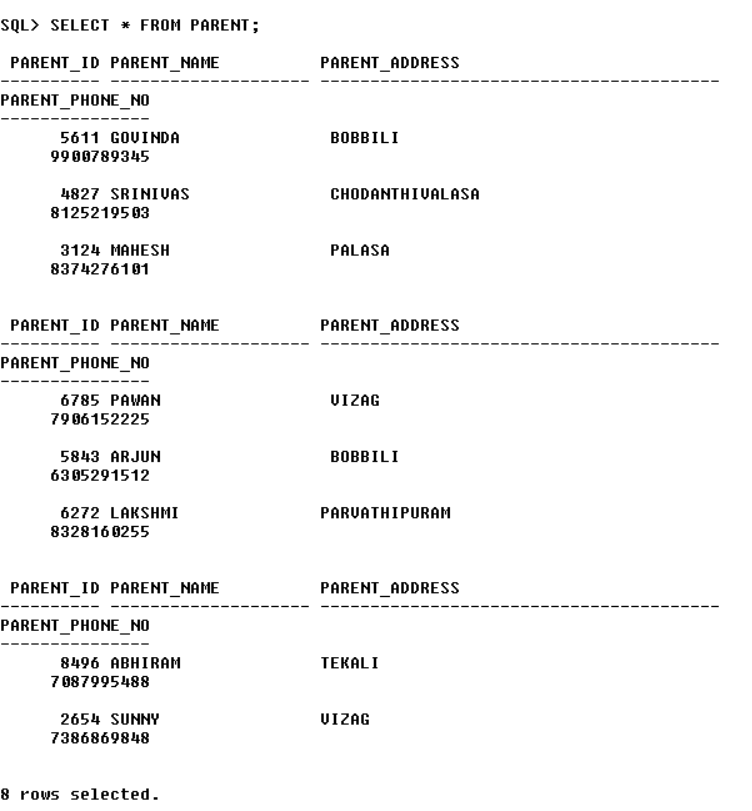
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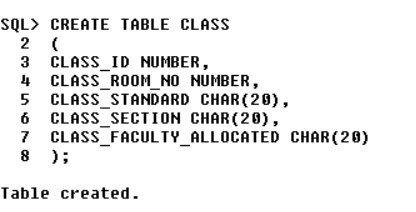


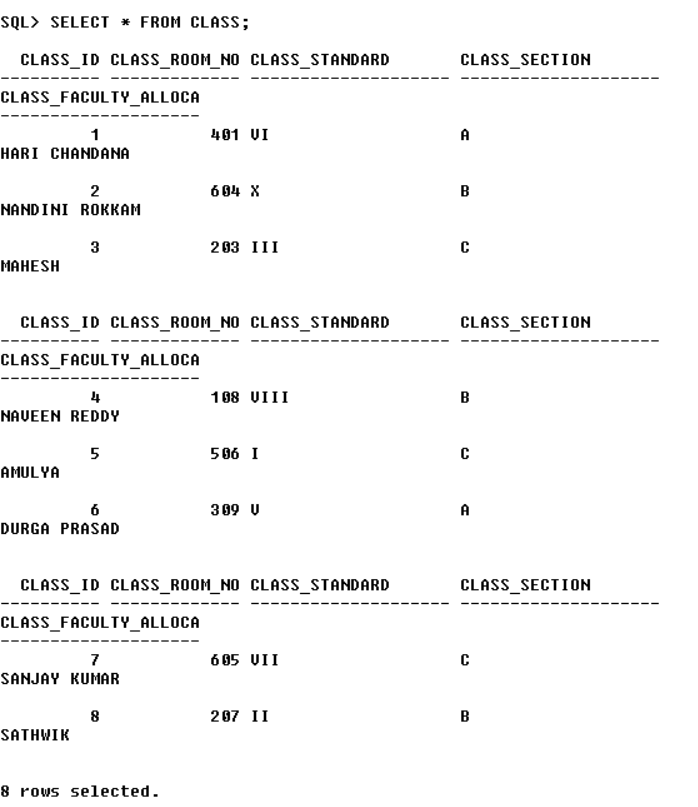
* TABLE PARENT





* TABLE CLASS





* TABLE SUBJECT

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Table

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* TABLE EXAM

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* TABLE FEE

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**Keys Used:**

* Primary Key
* Alternate Key
* Unique Key
* Composite Key
* Foreign Key

**Codes:**

Code for School Table:

CREATE TABLE SCHOOL(

SCHOOL\_ID NUMBER,

SCHOOL\_NAME CHAR(40),

SCHOOL\_ADDRESS VARCHAR2(40),

SCHOOL\_CONTACT\_NO NUMBER);

desc SCHOOL;

INSERT INTO SCHOOL VALUES(278,'SRI CHAITANYA SCHOOL','VIZAG',9988774455);

select \* from SCHOOL;

Code for Headmaster Table:

CREATE TABLE HEADMASTER (

HEADMASTER\_NAME CHAR(20),

HEADMASTER\_ADDRESS VARCHAR2(40),

HEADMASTER\_CONTACT\_NO NUMBER );

INSERT INTO HEADMASTER VALUES('ADHI NARAYANA','VIZAG',8526475651);

SELECT \* FROM HEADMASTER;

Code for Teacher Table:CREATE TABLE TEACHER(TEACHER\_ID NUMBER,TEACHER\_NAME CHAR(20),TEACHER\_DESIGNATION CHAR(20),TEACHER\_ADDRESS VARCHAR2(40),TEACHER\_PHONE\_NO NUMBER);

INSERT INTO TEACHER VALUES(111,'DURGA PRASAD','BIOLOGY','MADHILAPALEM',7893924278);

INSERT INTO TEACHER VALUES(112,'SANJAY KUMAR','PHYSICS','GAJUWAKA',9515306769);

INSERT INTO TEACHER VALUES(113,'HARI CHANDANA','CHEMISTRY','RK BEACH',9502317686);

INSERT INTO TEACHER VALUES(114,'NAVEEN REDDY','MATHEMATICS','MADHURAWADA',7995272848);

INSERT INTO TEACHER VALUES(115,'NANDINI ROKKAM','SOCIAL','MARIKAVALASA',7815850811);

INSERT INTO TEACHER VALUES(116,'MAHESH','ENGLISH','VIZIANAGARAM',9346574720);

INSERT INTO TEACHER VALUES(117,'SATHWIK','HINDI','SHIMHACHALAM',9494090138);

INSERT INTO TEACHER VALUES(118,'AMULYA','TELUGU','ARILOVA',9640691552);

SELECT \* FROM TEACHER;

Code for Student Table:

CREATE TABLE STUDENT(

STUDENT\_ID NUMBER,

STUDENT\_NAME CHAR(20),

STUDENT\_STANDARD CHAR(20),

STUDENT\_ADDRESS VARCHAR2(40),

STUDENT\_PHONE\_NO NUMBER

);

INSERT INTO STUDENT VALUES(037,'AKASH','IX','BOBBILI',7780530411);

INSERT INTO STUDENT VALUES(143,'KAVYA','IX','CHODANTHIVALASA',9100290044);

INSERT INTO STUDENT VALUES(56,'RAM SURYA','IX','PALASA',9030132806);

INSERT INTO STUDENT VALUES(23,'DEEPTHI HARSHA','IX','VIZAG',9059572523);

INSERT INTO STUDENT VALUES(383,'HARSHA','VIII','BOBBILI',7207472732);

INSERT INTO STUDENT VALUES(420,'VIDHYA SAGAR','VIII','PARVATHIPURAM',7702632147);

INSERT INTO STUDENT VALUES(225,'PRABHAS','VII','TEKALI',9779868899);

INSERT INTO STUDENT VALUES(04,'NANI','VII','VIZAG',9493233578);

SELECT \* FROM STUDENT;

Code for Parent Table:

CREATE TABLE PARENT(

PARENT\_ID NUMBER,

PARENT\_NAME CHAR(20),

PARENT\_ADDRESS VARCHAR2(40),

PARENT\_PHONE\_NO NUMBER

);

INSERT INTO PARENT VALUES(5611,'GOVINDA',' BOBBILI',9900789345);

INSERT INTO PARENT VALUES(4827,'SRINIVAS',' CHODANTHIVALASA',8125219503);

INSERT INTO PARENT VALUES(3124,'MAHESH',' PALASA ',8374276101);

INSERT INTO PARENT VALUES(6785,'PAWAN',' VIZAG ',7906152225);

INSERT INTO PARENT VALUES(5843,'ARJUN',' BOBBILI',6305291512);

INSERT INTO PARENT VALUES(6272,'LAKSHMI', 'PARVATHIPURAM',8328160255);

INSERT INTO PARENT VALUES(8496,'ABHIRAM', 'TEKALI',7087995488);

INSERT INTO PARENT VALUES(2654,'SUNNY', 'VIZAG',7386869848);

SELECT \* FROM PARENT;

Code for Class Table:

CREATE TABLE CLASS(

CLASS\_ID NUMBER,

CLASS\_ROOM\_NO NUMBER,

CLASS\_STANDARD CHAR(20),

CLASS\_SECTION CHAR(20),

CLASS\_FACULTY\_ALLOCATED CHAR(20)

);

INSERT INTO CLASS VALUES(1,401,'VI','A','HARI CHANDANA');

INSERT INTO CLASS VALUES(2,604,'X','B','NANDINI ROKKAM');

INSERT INTO CLASS VALUES(3,203,'III','C','MAHESH');

INSERT INTO CLASS VALUES(4,108,'VIII','B','NAVEEN REDDY');

INSERT INTO CLASS VALUES(5,506,'I','C','AMULYA');

INSERT INTO CLASS VALUES(6,309,'V','A','DURGA PRASAD');

INSERT INTO CLASS VALUES(7,605,'VII','C','SANJAY KUMAR');

INSERT INTO CLASS VALUES(8,207,'II','B','SATHWIK');

SELECT \* FROM CLASS;

Code for Subject Table:

CREATE TABLE SUBJECT(

SUBJECT\_ID NUMBER,

SUBJECT\_NAME CHAR(20),

SUBJECT\_DURATION VARCHAR2(20)

);

INSERT INTO SUBJECT VALUES(1,'MATHEMATICS','45 MIN');

INSERT INTO SUBJECT VALUES(2,'PHYSICS','45 MIN');

INSERT INTO SUBJECT VALUES(3,'SOCIAL','45 MIN');

INSERT INTO SUBJECT VALUES(4,'TELUGU','45 MIN');

INSERT INTO SUBJECT VALUES(5,'CHEMISTRY','45 MIN');

INSERT INTO SUBJECT VALUES(6,'ENGLISH','45 MIN');

INSERT INTO SUBJECT VALUES(7,'BIOLOGY','45 MIN');

INSERT INTO SUBJECT VALUES(8,'HINDI','45 MIN');

SELECT \* FROM SUBJECT;

Code for Exam Table:

CREATE TABLE EXAM(

EXAM\_NAME CHAR(20),

EXAM\_DATE DATE,

EXAM\_DURATION VARCHAR2(20),

EXAM\_MARKS NUMBER

);

INSERT INTO EXAM VALUES('TELUGU','16-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('HINDI','17-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('ENGLISH','18-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('MATHEMATICS','19-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('PHYSICS','20-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('CHEMISTRY','21-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('BIOLOGY','23-APR-18','3 HOUR',80);

INSERT INTO EXAM VALUES('SOCIAL','24-APR-18','3 HOUR',80);

SELECT \* FROM EXAM;

Code for Fee Table:

CREATE TABLE FEE(

FEE\_STUDENT\_ID NUMBER,

FEE\_AMOUNT NUMBER,

FEE\_DUE NUMBER,

FEE\_DETAILS CHAR(20));

INSERT INTO FEE VALUES(383,124000,0,'PAID');

INSERT INTO FEE VALUES(420,127000,5000,'FEE PENDING');

INSERT INTO FEE VALUES(225,116000,2500,'FEE PENDING');

INSERT INTO FEE VALUES(037,124000,0,'PAID');

INSERT INTO FEE VALUES(56,189000,0,'PAID');

INSERT INTO FEE VALUES(04,196000,4000,'FEE PENDING');

INSERT INTO FEE VALUES(23,188000,2000,'FEE PENDING');

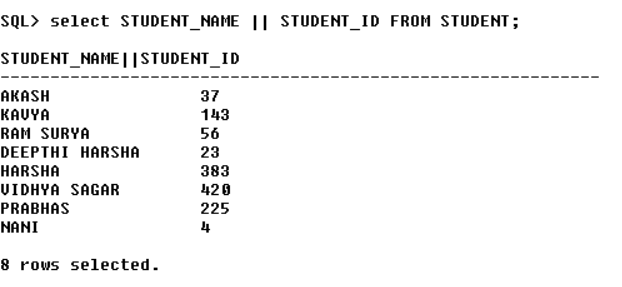
INSERT INTO FEE VALUES(143,124000,0,'PAID');

SELECT \* FROM FEE;

**DDL AND DML:**

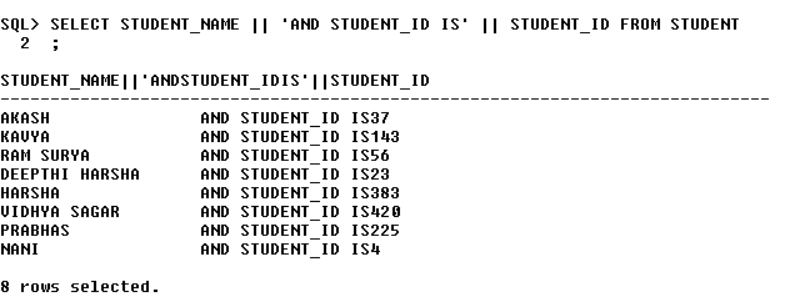
STATEMENT-1:

select STUDENT\_NAME || STUDENT\_ID FROM STUDENT;



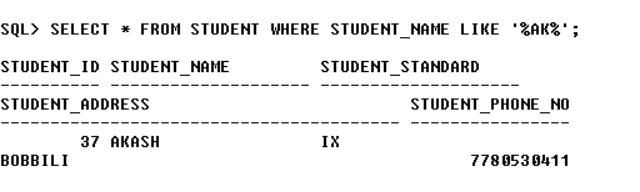
STATEMENT-2:

SELECT STUDENT\_NAME || 'AND STUDENT\_ID IS' || STUDENT\_ID FROM STUDENT;



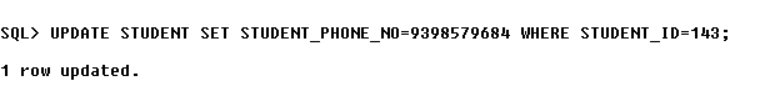
STATEMENT-3:

SELECT \* FROM STUDENT WHERE STUDENT\_NAME LIKE '%AK%';



STATEMENT-4:

UPDATE STUDENT SET STUDENT\_PHONE\_NO=9398579684 WHERE STUDENT\_ID=143;

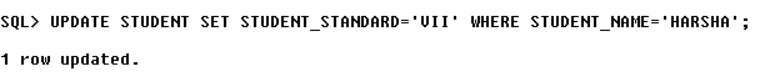


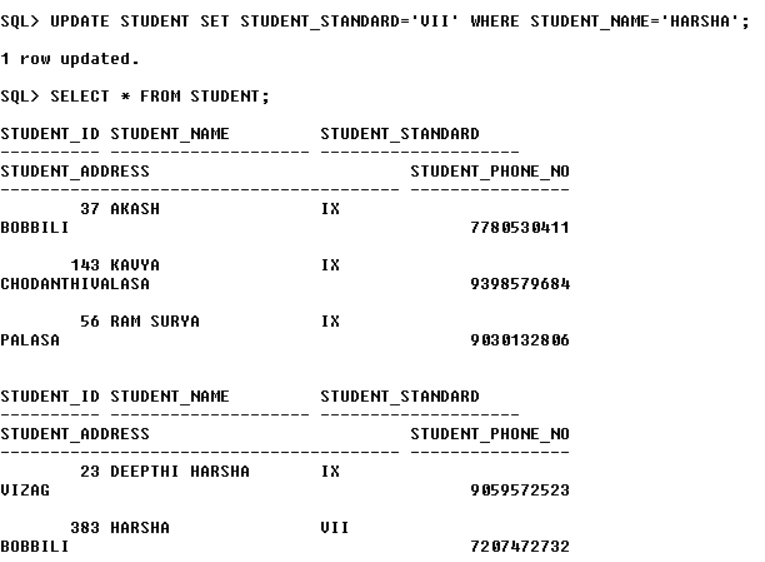
Table

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STATEMENT-5:

UPDATE STUDENT SET STUDENT\_STANDARD='VII' WHERE STUDENT\_NAME='HARSHA’;





STATEMENT-6:

ALTER TABLE STUDENT ADD(GENDER CHAR);

A picture containing logo

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STATEMENT-7:

ALTER TABLE STUDENT MODIFY(GENDER VARCHAR2(20));

Select \* from STUDENT;

A picture containing text

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Table

Description automatically generated

STATEMENT-8:

DELETE FROM STUDENT WHERE STUDENT\_ID=4;

Select \* from STUDENT;

Table

Description automatically generated

STATEMENT-9:

CREATE TABLE NEW\_STUDENT AS SELECT \* FROM STUDENT;

DESC NEW\_STUDENT;

SELECT \* FROM NEW\_STUDENT;

RENAME NEW\_STUDENT TO STUDENTS;

SELECT \* FROM STUDENTS;

Table

Description automatically generated

STATEMENT-10:

DROP TABLE STUDENTS;

TRUNCATE TABLE STUDENT;

Text

Description automatically generated

**PL/SQL COMMANDS**

1:

set serveroutput on

DECLARE

A NUMBER;

BEGIN

UPDATE FEE SET FEE\_DUE=0 WHERE FEE\_STUDENT\_ID=225;

IF SQL%FOUND THEN

dbms\_output.put\_line('DUE IS UPDATED');

END IF;

IF SQL%NOTFOUND THEN

dbms\_output.put\_line('DUE IS NOT UPDATED');

END IF;

A:=SQL%ROWCOUNT;

dbms\_output.put\_line(A);

END;

/

select \* from FEE;

Text, letter

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Table

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2:

DECLARE

A NUMBER;

BEGIN

UPDATE FEE SET FEE\_DUE=0,FEE\_DETAILS='PAID' WHERE FEE\_STUDENT\_ID=225;

IF SQL%FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('DUE IS UPDATED');

END IF;

IF SQL%NOTFOUND THEN

DBMS\_OUTPUT.PUT\_LINE('DUE IS NOT UPDATED');

END IF;

A:=SQL%ROWCOUNT;

DBMS\_OUTPUT.PUT\_LINE(A);

END;

/

select \* from FEE;

Table

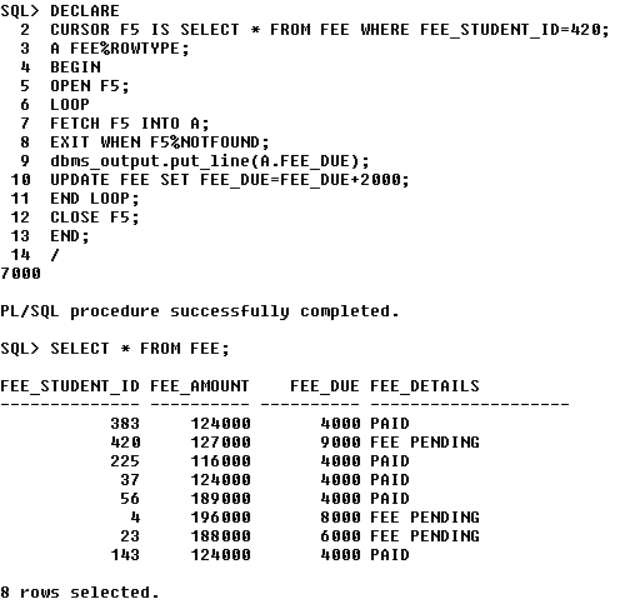
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3:

DECLARECURSOR F5 IS SELECT \* FROM FEE WHERE FEE\_STUDENT\_ID=420;A FEE%ROWTYPE;BEGINOPEN F5;LOOPFETCH F5 INTO A;EXIT WHEN F5%NOTFOUND;dbms\_output.put\_line(A.FEE\_DUE);UPDATE FEE SET FEE\_DUE=FEE\_DUE+2000;END LOOP;CLOSE F5;END;

/

SELECT \* FROM FEE;



4:

DECLARE

A NUMBER;

BEGIN

UPDATE CLASS SET CLASS\_FACULTY\_ALLOCATED='APARNA' WHERE CLASS\_ID=5;

IF SQL%FOUND THEN

dbms\_output.put\_line ('FACULTY IS ALLOCATED');

END IF;

IF SQL%NOTFOUND THEN

dbms\_output.put\_line ('FACULTY IS NOT ALLOCATED');

END IF;

A:=SQL%ROWCOUNT;

dbms\_output.put\_line (A);

END;

SELECT \* FROM CLASS;

Graphical user interface, text, application

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Table

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**----THE END----**