



SCHOOL MANAGEMENT SYSTEM

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INTRODUCTION

The education system forms the backbone of every nation. Hence it is important and necessary to provide a strong educational foundation to the young generation to ensure the development of open-minded citizens securing the future for everyone. Advanced technology today can play a crucial role in streamlining the education-related processes to promote solidarity among students, teachers, parents, and the school staff.

Existing System

In the current system, we need to keep the number of records related to students and want to enter the marks and records of the students manually. In this system teacher or school, authority views the marks and records of the student and keeps track of the student manually. School authority needs to keep track of all the members of the school including students. This is very time consuming and has a lot of paperwork.

Need for the System

In our proposed system, We have the provision for adding the details pf the student. The overhead of the school authorities and teachers becomes less. Another advantage of the system is that it is very easy to edit the details of the student and delete the records if necessary.

Advantages

- Fast access to the database
- Fewer errors
- More storage capacity
- Student and faculty friendly
- Cost convenient
- Less manpower

The system will be used for conducting day to day teaching activities such as assigning homework to conduct exams along with management tasks such as checking the fees status of the student, keeping a record of the number of students enrolled in a class and subject. It is not easy to do this process manually because it would become very hectic. Hence it is recommended to automate the process by developing the relevant software as the world is moving from manual working to information and technology era where computerization becomes important in all parts of life.

Data Requirements

The school management system has a set of data requirements. The following are the entity types that will be used in our school management system.

1.ADMIN_DPT:

This entity consists of A_ID which is unique to each administrator be it a principal or supervisor. The other attributes are Name, Salary, Designation, Qualification, Email, Phone_no.

2.CLASS:

CLASS as an entity consists of attributes such as Std_Sec which is unique to each class, Total number of students.

3.TEACHER:

TEACHER as an entity consists of attributes T_ID which is unique to each teacher, Qualification, Salary, Name, Phone_number, Class_taken.

4.EXAM:

EXAM as an entity consists of attributes Exam_code which is unique to every exam conducted, Exam_sub, Exam_date, Exam_qpaper.

5.HOMEWORK:

HOMEWORK as an entity consists of HW_ID which is used to uniquely identify homework given by faculty, Sub_assign, Due_date, Numer_of_students.

6.MARKS:

MARKS as an entity type consists of Paper_no as identifying key, Marks_obt, Marks_tot, Subject.

7.SUBJECT:

SUBJECT entity type has attributes Sub_code as identifying key, Name, ,Total_stu_enrolled as other attributes.

8.STUDENT:

STUDENT as an entity type consists of attributes such as Roll_no unique to every student, Section, Name, Class, Fees.

9.PARENT:

PARENT is a **Weak entity** of Student consisting of attributes such as Roll_no which is unique to every parent, name, Phone_num.

Relationships

- ❖ Parent **GUARDS** Student (1- 1)
Each parent guards only one student and Parent exist only if he has a student in the school. Hence participation of Parent in GUARDS relation is **Total Participation.**(**Total participation of Parent and Partial participation of student in this relationship**)
- ❖ Teacher **GIVES** Marks(1-N)
Each Teacher gives many marks to many students in the miniworld.Hence the relationships becomes (1-N) relation ship.(**Partial Participation of Teacher and Marks in Monitors relationship**)
- ❖ Teacher **KEEPS** Exam (1-1)
Each Teacher has to post only 1 test regarding his subject. So, the relationship is a 1-1 relationship. (**Partial Participation of both Teacher and Exam**)
- ❖ Teacher **GIVES** Homework(1-N)
A Teacher may give may Homeworks regarding his subject. So, the relationship becomes a 1-N relationship. (**Partial Participation of both Teacher and Homework**)
- ❖ Teacher **SPECIALIZE** Subject(1-1)
A Teacher may teach only 1 subject. Hence, the relationship becomes a 1-1 relationship. (**Partial Participation of both Teacher and Subject**)
- ❖ Teacher **TEACHES** Class(1-N)
A Teacher may have many classes in a day. Hence, the relationship is a 1-N relationship. (**Partial Participation of both Teacher and Class**)
- ❖ Admin_dpt **MANAGES** Class(1-N)
An administrator(Principal or Supervisor) have to manage all the class. Hence, the relationship is a 1-N relationship. (**Partial Participation of both Admin_dpt and Class**)
- ❖ Admin_dpt **SUPERVISES** Teacher(1-N)
An administrator(Principal or Supervisor) has to manage all the teachers of the school. Hence, the relationship is a 1-N relationship. (**Partial Participation of both Admin_dpt and Teacher**)

Functional Requirements

Removal of Data

There are certain scenarios when the data stored with the School Management System has to be deleted. This could arise from a situation such as a student, faculty, admin leaving his/her job. In such cases, the data stored about the individual must be deleted to prevent unnecessary storage of data and to ensure the security of our data. Scenarios demanding deletion/removal of data are discussed below:

Case 1:

A situation may arise where the number of students enrolled in a given class is less than the expected number, say 10. In such a case, the class of that particular subject is deleted.

Case 2:

If in case a teacher wants to leave school. in such cases, we have to remove his/her account as well as all the data associated with it so that he/she could not further alter the marks or the homework of students.

Case 3:

There are certain situations such as when the students want to leave school. In such cases, we have to remove his/her account as well as all the data associated with it.

Case 4:

If in case a course does not exist anymore i.e. the school no longer offers a particular course then we have to delete all information regarding that subject.

Modification of Data

School management system a highly efficient system. Therefore, it has to be updated regularly to maintain the correct set of data. And there are situations where the details of an individual changes

Case 1:

Change of Contact Number In case, a student's parent has a change of contact number which has been reported. Then, the admin, on request from the user, changes the student's parent's number

.

Case 2:

In case the marks entered by a teacher has to be changed then only the particular subject teacher is allowed to change the marks

Case 3:

There could be a case where the question paper is to be changed may be due to a moderation

Case 4:

In case a teacher wishes to change the deadline for homework. This function can only be performed by the subject teacher.

Selection of Data

Data retrieval is an operation performed by the system on request by the user or the admin to generate the output which is asked by the user. This could include arithmetic operations such as average or could be simply filtering something out of the database

Case 1:

print out all the students who have secured first division in a particular subject.
(first division is marked greater than 95%)

Case 2:

Similarly, we can search for the admins who own an engineering degree.

Case 3:

our System can print the fee status of a student which could be paid. This would be highly helpful in knowing the students whose fees are still pending.

Case 4:

Similarly, we can also find students who have paid the fees.

Case 5:

Print students who have received more than 40 in one or more subjects.

Case 6:

using teacher id we could see permanent teachers in the school

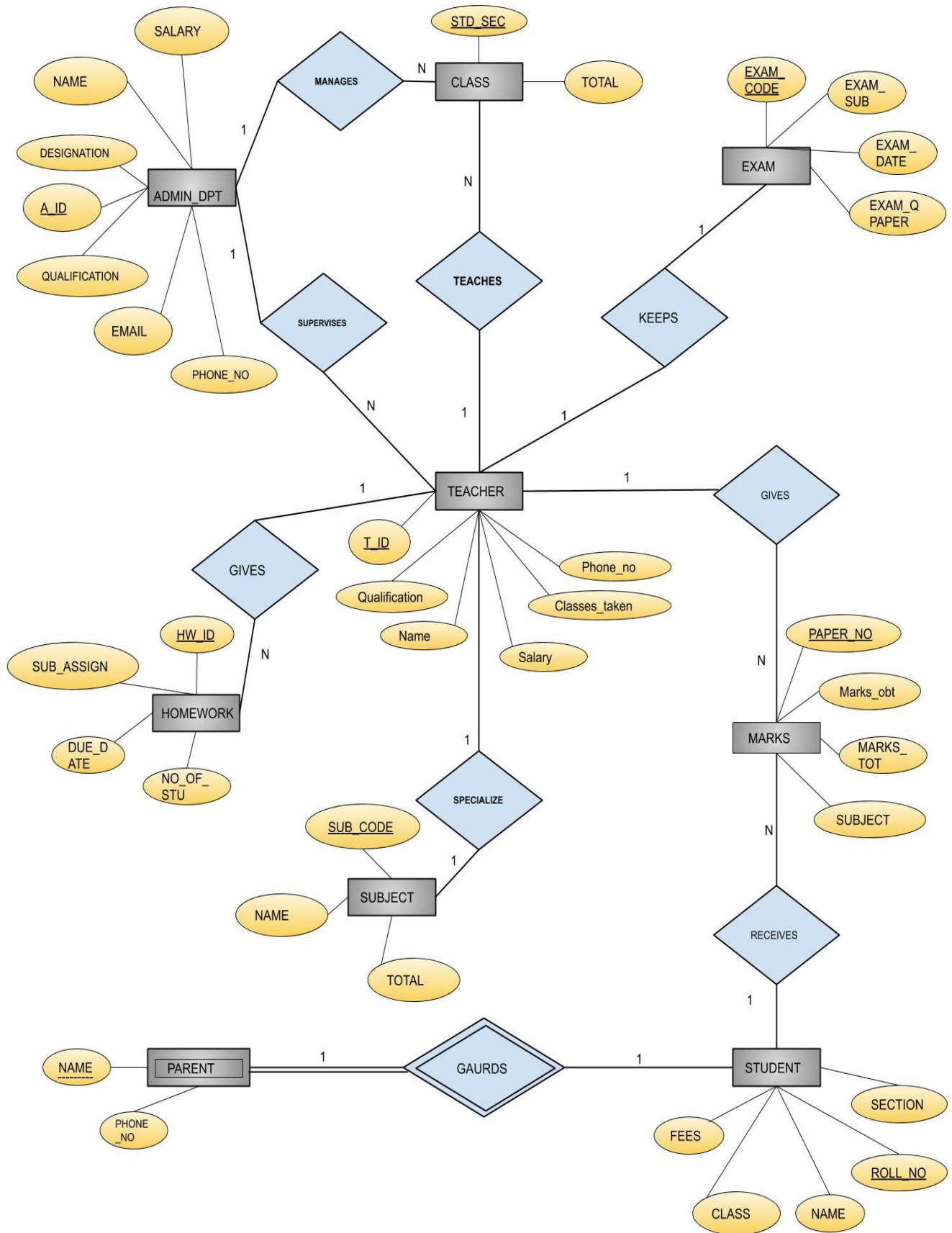
Case 7:

Teachers supervised by a specific coordinator

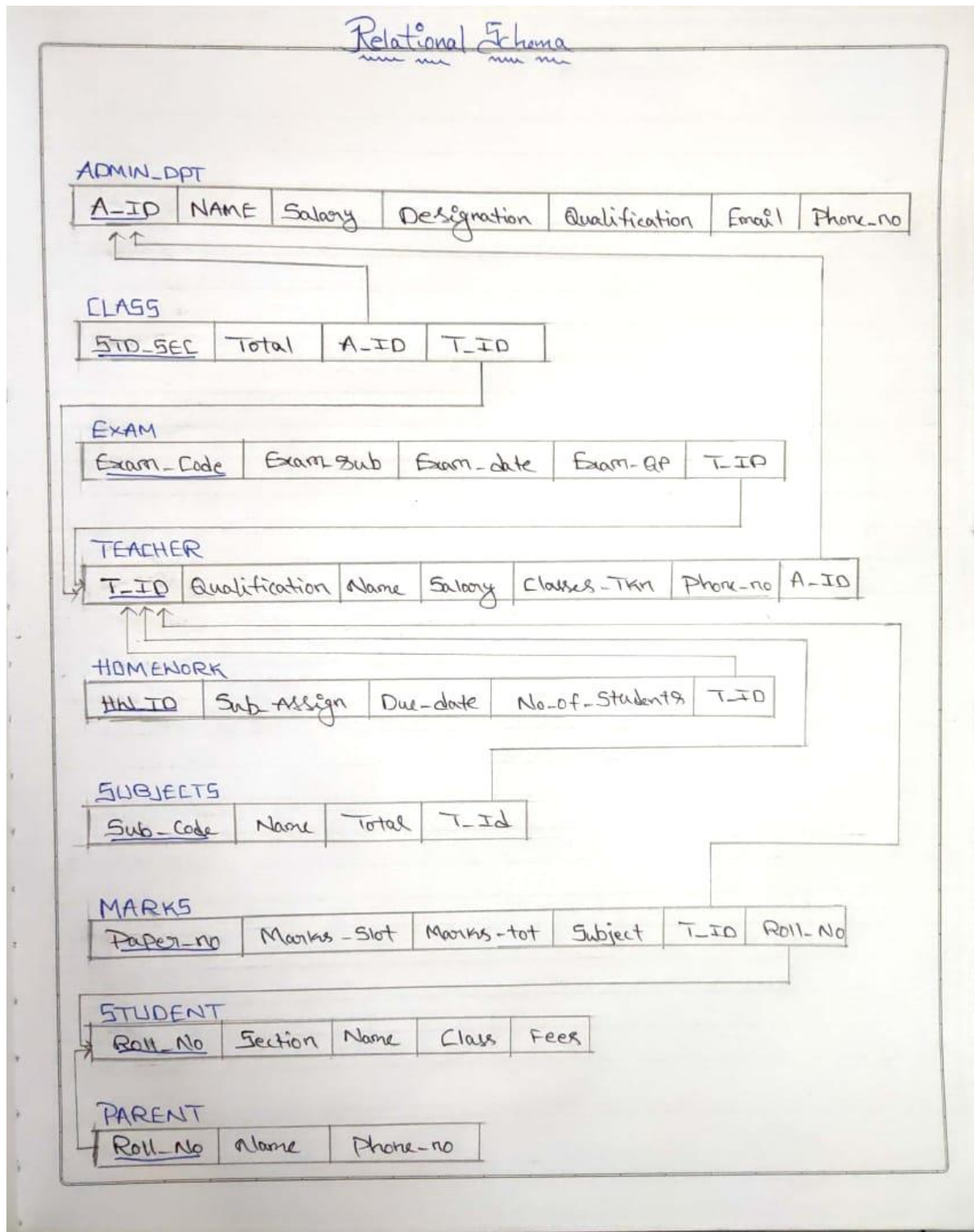
Case 8:

We can find/filter the teachers who own a Doctorate.

ER DIAGRAM

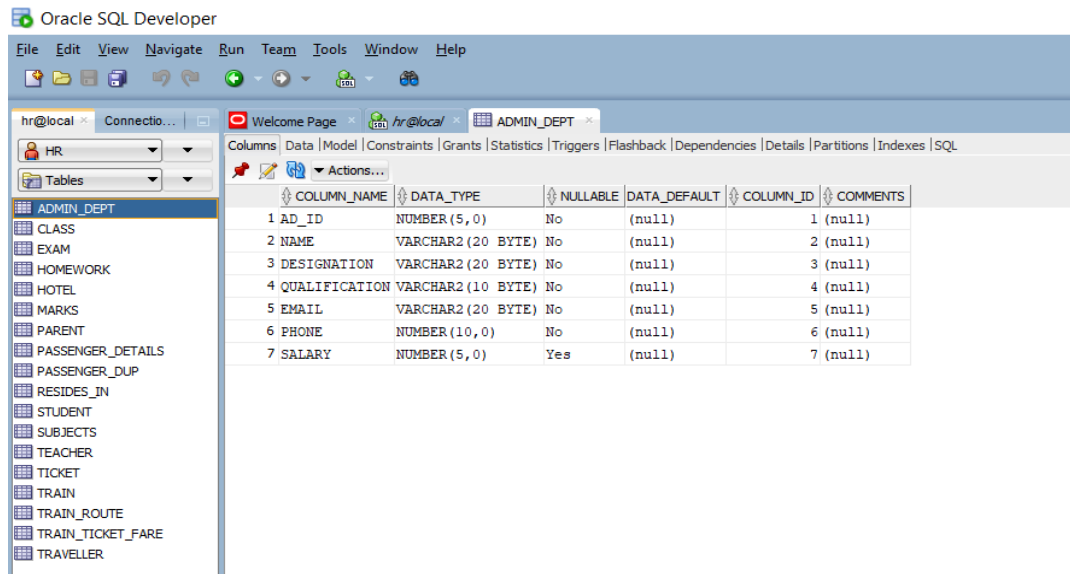


RELATIONAL SCHEMA



CREATION OF TABLES

‘Admin_dpt’:



The screenshot shows the Oracle SQL Developer interface. On the left, a tree view lists various tables including ADMIN_DEPT, CLASS, EXAM, HOMEWORK, HOTEL, MARKS, PARENT, PASSENGER_DETAILS, PASSENGER_DUP, RESIDES_IN, STUDENT, SUBJECTS, TEACHER, TICKET, TRAIN, TRAIN_ROUTE, TRAIN_TICKET_FARE, and TRAVELLER. The ADMIN_DEPT table is selected. The main pane displays the table's structure with columns: AD_ID, NAME, DESIGNATION, QUALIFICATION, EMAIL, PHONE, and SALARY. Each column is numbered 1 through 7, indicating its position in the table definition.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 AD_ID	NUMBER (5, 0)	No	(null)	1 (null)	
2 NAME	VARCHAR2 (20 BYTE)	No	(null)	2 (null)	
3 DESIGNATION	VARCHAR2 (20 BYTE)	No	(null)	3 (null)	
4 QUALIFICATION	VARCHAR2 (10 BYTE)	No	(null)	4 (null)	
5 EMAIL	VARCHAR2 (20 BYTE)	No	(null)	5 (null)	
6 PHONE	NUMBER (10, 0)	No	(null)	6 (null)	
7 SALARY	NUMBER (5, 0)	Yes	(null)	7 (null)	

CODE:

```
create table Admin_Dept(  
AD_ID number(5) constraint admin_pk primary key,  
NAME varchar(20) not null,  
Designation varchar(20) not null,  
qualification varchar(10) not null,  
email varchar(20) not null,  
phone number(10) not null,  
salary number(5));
```

‘Student’:

Oracle SQL Developer : Table HR.STUDENT@hr@local

File Edit View Navigate Run Team Tools Window Help

hr@local Connection... Welcome Page hr@local STUDENT

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 ROLL_NO	NUMBER (5, 0)	No	(null)	1 (null)	
2 NAME	VARCHAR2 (20 BYTE)	No	(null)	2 (null)	
3 CLASS	NUMBER (2, 0)	Yes	(null)	3 (null)	
4 SECTION	VARCHAR2 (2 BYTE)	Yes	(null)	4 (null)	
5 FEES	VARCHAR2 (10 BYTE)	Yes	(null)	5 (null)	

Tables

- ADMIN_DEPT
- CLASS
- EXAM
- HOMEWORK
- HOTEL
- MARKS
- PARENT
- PASSENGER_DETAILS
- PASSENGER_DUP
- RESIDES_IN
- STUDENT
- SUBJECTS
- TEACHER
- TICKET
- TRAIN
- TRAIN_ROUTE
- TRAIN_TICKET_FARE
- TRAVELLER

CODE:

```
create table student(  
roll_no number(5) constraint roll_pk primary key,  
name varchar(20) constraint n_null not null,  
class number(2),  
section varchar(2), fees varchar(10));
```

‘Parent’:

Oracle SQL Developer : Table HR.PARENT@hr@local

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hr... Conn... Welcome Page hr@local PARENT

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 ROLL_NO	NUMBER(5,0)	No	(null)	1 (null)	
2 PARENT_NAME	VARCHAR2(100 BYTE)	Yes	(null)	2 (null)	
3 PHONE_NO	NUMBER(10,0)	Yes	(null)	3 (null)	

Tables

- ADMIN_DEPT
- CLASS
- EXAM
- HOMEWORK
- HOTEL
- MARKS
- PARENT
- PASSENGER_DETAILS
- PASSENGER_DUP
- RESIDES_IN
- STUDENT
- SUBJECTS
- TEACHER
- TICKET
- TRAIN
- TRAIN_ROUTE
- TRAIN_TICKET_FARE
- TRAVELLER

CODE:

Create table parent(roll_no number(5) references student,

Parent_name varchar(100),

Phone_No number(10),

primary key(Parent_name,roll_no));

'Teacher':

Oracle SQL Developer

File Edit View Navigate Run Team Tools Window Help

hr@local x- Connectio... Welcome Page x- hr@local/ x- TEACHER x-

Columns Data | Model | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL

Columns

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	T_ID	VARCHAR2(10 BYTE)	No	(null)	1	(null)
2	NAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)
3	QUALIFICATION	VARCHAR2(10 BYTE)	Yes	(null)	3	(null)
4	SALARY	NUMBER(5,0)	Yes	(null)	4	(null)
5	STD_SEC	VARCHAR2(5 BYTE)	Yes	(null)	5	(null)
6	PHONE_NO	NUMBER(10,0)	Yes	(null)	6	(null)
7	AD_ID	NUMBER(5,0)	Yes	(null)	7	(null)

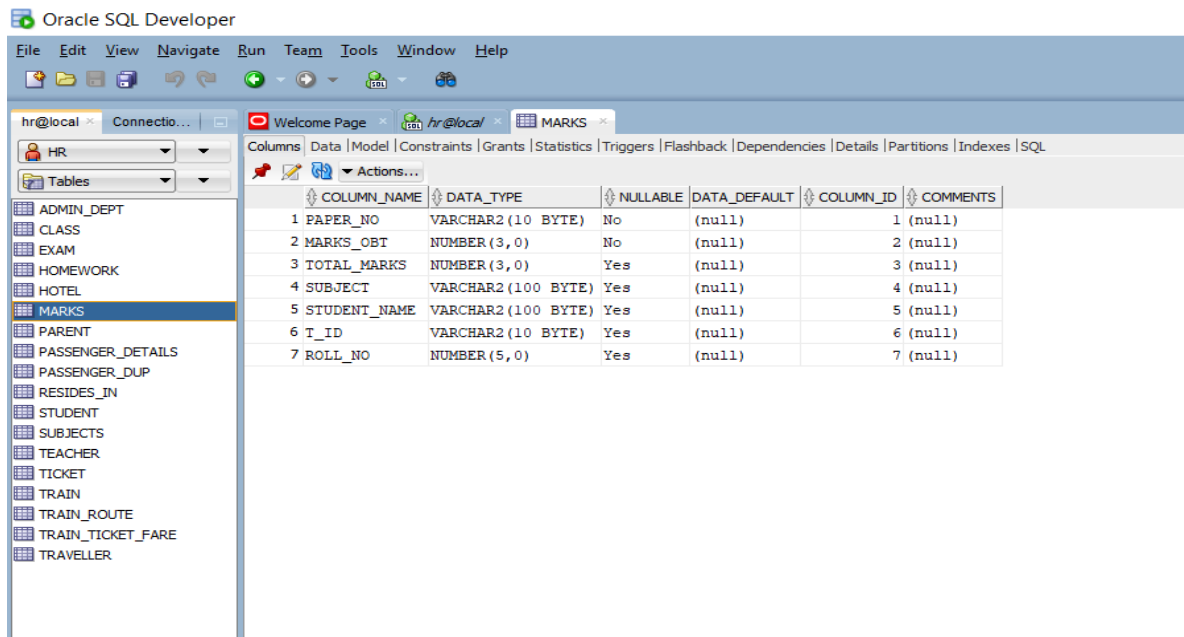
Tables

- ADMIN_DEPT
- CLASS
- EXAM
- HOMEWORK
- HOTEL
- MARKS
- PARENT
- PASSENGER_DETAILS
- PASSENGER_DUP
- RESIDES_IN
- STUDENT
- SUBJECTS
- TEACHER
- TICKET
- TRAIN
- TRAIN_ROUTE
- TRAIN_TICKET_FARE
- TRAVELLER

CODE:

```
create table Teacher(  
t_id varchar(10) constraint t_id_pk primary key,  
name varchar(20) constraint name_nnull not null,  
Qualification varchar(10),  
salary number(5),  
std_sec varchar(5),  
phone_no number(10),  
Ad_id number(5),  
constraint teacher_adid_fk foreign key(AD_ID) references Admin_Dept(AD_ID));
```

'Marks':



The screenshot shows the Oracle SQL Developer interface. On the left, a tree view lists various tables, with 'MARKS' selected. The main pane displays the 'Columns' tab for the 'MARKS' table, showing a list of columns with their data types, nullability, and default values.

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	PAPER_NO	VARCHAR2 (10 BYTE)	No	(null)	1 (null)	
2	MARKS_OBT	NUMBER (3, 0)	No	(null)	2 (null)	
3	TOTAL_MARKS	NUMBER (3, 0)	Yes	(null)	3 (null)	
4	SUBJECT	VARCHAR2 (100 BYTE)	Yes	(null)	4 (null)	
5	STUDENT_NAME	VARCHAR2 (100 BYTE)	Yes	(null)	5 (null)	
6	T_ID	VARCHAR2 (10 BYTE)	Yes	(null)	6 (null)	
7	ROLL_NO	NUMBER (5, 0)	Yes	(null)	7 (null)	

CODE:

Create table marks(

Paper_No varchar(10) constraint mark_pk primary key,

Marks_obt number(3) constraint mk_obt_nnull not null,

Total_marks number(3),

Subject varchar(100),

Student_name varchar(100),

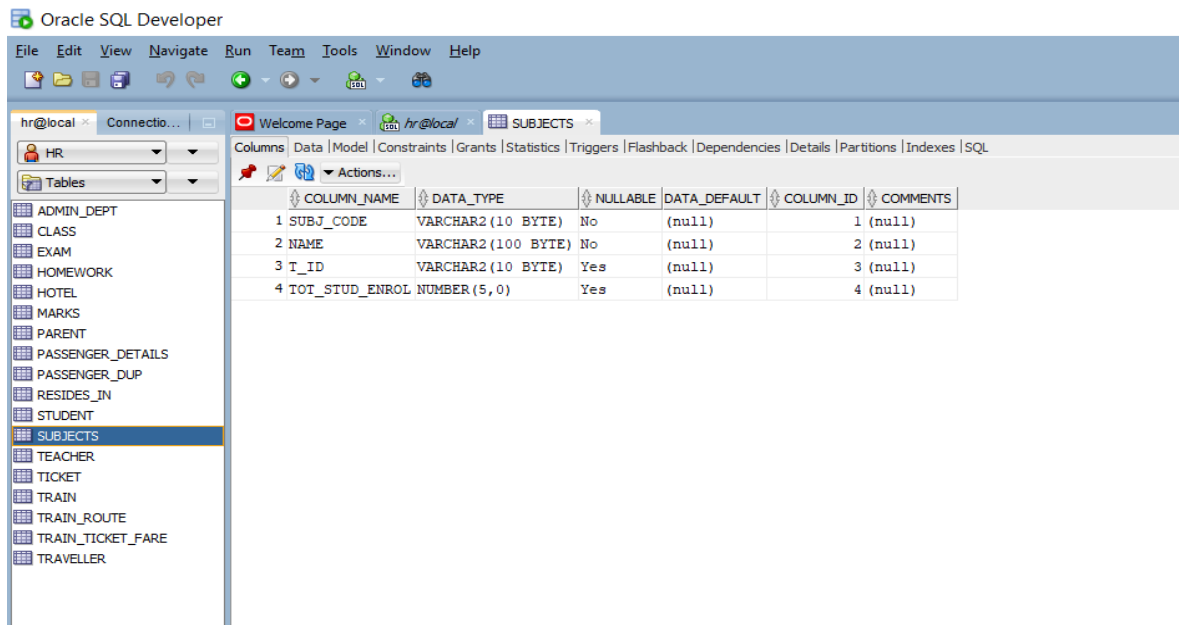
T_ID varchar(10),

Roll_No number(5),

Constraint mk_fk1 foreign key(T_ID) references teacher(T_ID),

Constraint mk_fk2 foreign key(Roll_No) references student(Roll_No));

‘Subjects’:



The screenshot shows the Oracle SQL Developer interface. On the left, a tree view lists database tables, with 'SUBJECTS' selected. The main pane displays the 'SUBJECTS' table structure in a tabular format. The table has four columns: SUBJ_CODE, NAME, T_ID, and TOT_STUD_ENROL. The columns are defined with their respective data types, nullability, and default values. The table is named 'SUBJECTS' and is located in the 'HR' schema.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 SUBJ_CODE	VARCHAR2(10 BYTE)	No	(null)	1	(null)
2 NAME	VARCHAR2(100 BYTE)	No	(null)	2	(null)
3 T_ID	VARCHAR2(10 BYTE)	Yes	(null)	3	(null)
4 TOT_STUD_ENROL	NUMBER(5,0)	Yes	(null)	4	(null)

CODE:

Create table subjects(

Subj_code varchar(10) constraint sub_code_pk primary key,

Name varchar(100) constraint subn_nnull not null,

T_ID varchar(10),

Tot_stud_enrol number(5),

Constraint subt_fk foreign key(T_ID) references teacher(T_ID));

‘Homework’:

Oracle SQL Developer : Table HR.HOMEWORK@hr@local

File Edit View Navigate Run Team Tools Window Help

hr@local Connectio... Welcome Page hr@local/ HOMEWORK

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 HW_ID	VARCHAR2 (10 BYTE)	No	(null)	1 (null)	
2 SUB_ASSIGN	VARCHAR2 (10 BYTE)	No	(null)	2 (null)	
3 T_ID	VARCHAR2 (10 BYTE)	Yes	(null)	3 (null)	
4 DUE_DATE	DATE	Yes	(null)	4 (null)	
5 NO_OF_STUDENTS	NUMBER (3, 0)	Yes	(null)	5 (null)	

Tables

- ADMIN_DEPT
- CLASS
- EXAM
- HOMEWORK**
- HOTEL
- MARKS
- PARENT
- PASSENGER_DETAILS
- PASSENGER_DUP
- RESIDES_IN
- STUDENT
- SUBJECTS
- TEACHER
- TICKET
- TRAIN
- TRAIN_ROUTE
- TRAIN_TICKET_FARE
- TRAVELLER

CODE:

Create table Homework(

Hw_id varchar(10) constraint hw_id_pk primary key,

Sub_assign varchar(10) constraint sub_nnull not null,

T_ID varchar(10),

Due_date date,

No_of_students number(3),

Constraint hw_fk foreign key(T_ID) references teacher(T_ID));

‘Class’:

Oracle SQL Developer : Table HR.CLASS@hr@local

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hr... Conn... insertion.sql Welcome Page hr@local tablesprj.sql CLASS

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

Actions...

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 STD_SEC	VARCHAR2(5 BYTE)	No	(null)	1 (null)	
2 AD_ID	NUMBER(5,0)	Yes	(null)	2 (null)	
3 T_ID	VARCHAR2(10 BYTE)	Yes	(null)	3 (null)	
4 TOTAL_STUDENTS	NUMBER(10,0)	No	(null)	4 (null)	

ADMIN_DEPT
CLASS
EXAM
HOMEWORK
HOTEL
MARKS
PARENT
PASSENGER_DETAILS
PASSENGER_DUP
RESIDES_IN
STUDENT
SUBJECTS
TEACHER
TICKET
TRAIN
TRAIN_ROUTE
TRAIN_TICKET_FARE
TRAVELLER

CODE:

Create table Class(

Std_sec varchar(5) constraint std_sc_pk primary key,

AD_ID number(5),

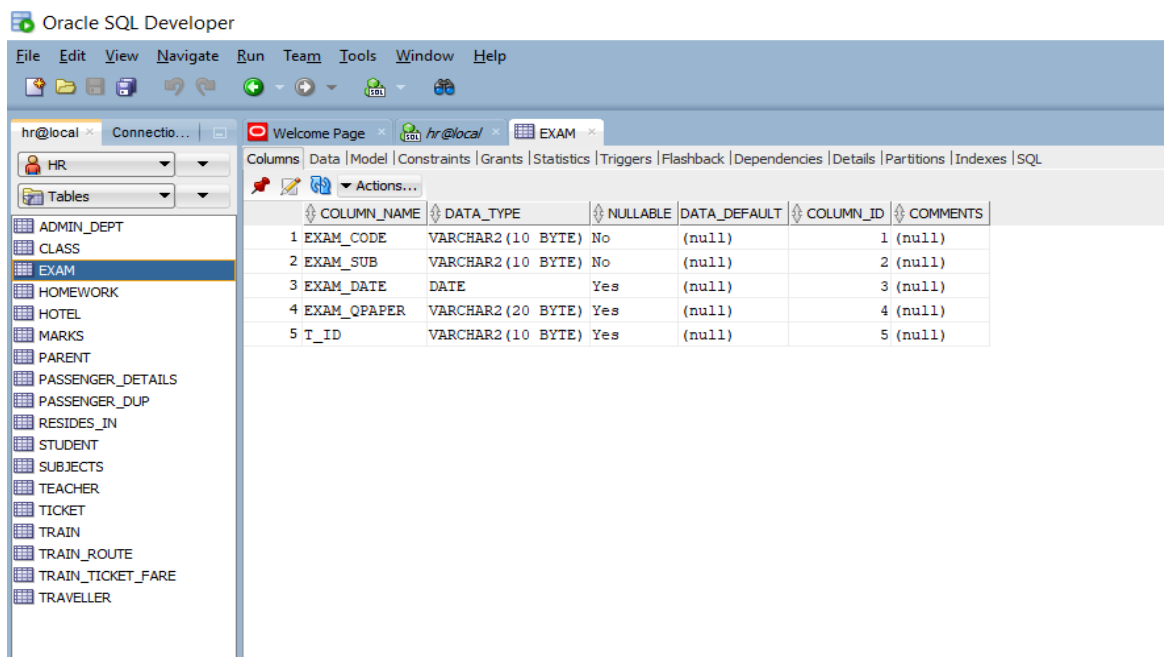
t_id varchar(10),

Total_students number(10) constraint ts_nnull not null,

Constraint cl_ad_fk foreign key(AD_ID) references Admin_Dept(AD_ID),

CONSTRAINT C_T_FK foreign key(t_id) references Teacher(t_id));

‘Exam’:



The screenshot shows the Oracle SQL Developer interface. On the left, a tree view lists database objects, with 'EXAM' selected under the 'Tables' folder. The main pane displays the 'Columns' tab for the 'EXAM' table, showing a table with 6 columns: COLUMN_NAME, DATA_TYPE, NULLABLE, DATA_DEFAULT, COLUMN_ID, and COMMENTS. The data is as follows:

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	EXAM_CODE	VARCHAR2(10 BYTE)	No	(null)	1	(null)
2	EXAM_SUB	VARCHAR2(10 BYTE)	No	(null)	2	(null)
3	EXAM_DATE	DATE	Yes	(null)	3	(null)
4	EXAM_QPAPER	VARCHAR2(20 BYTE)	Yes	(null)	4	(null)
5	T_ID	VARCHAR2(10 BYTE)	Yes	(null)	5	(null)

CODE:

Create table Exam(

Exam_code varchar(10) constraint ex_cd_pk primary key,

Exam_sub varchar(10) constraint ex_sb_nn null not null,

Exam_date date,

Exam_qpapper varchar(20),

T_ID varchar(10),

Constraint ex_fk foreign key(T_ID) references teacher(T_ID));

INSERTION OF DATA:

‘Admin_dept’:

INSERT INTO ADMIN_DEPT values(00001,'Anirudh Karanam','PRINCIPAL','PhD Chem','anirudh@gmail.com',8688456460,20000);

INSERT INTO ADMIN_DEPT VALUES(00002,'Yeswin','HEADMASTER','PhD Hist','yeswin@gmail.com',9912342395,15000);

INSERT INTO ADMIN_DEPT VALUES(00003,'Jaswanth','COORDINATOR A','BSc Mat','jaswanrh@gmail.com',8179880955,10000);

INSERT INTO ADMIN_DEPT VALUES(00004,'Manish','COORDINATOR B','BTech CS','manish@gmail.com',9491090388,10000);

INSERT INTO ADMIN_DEPT VALUES(00005,'Karthik','COORDINATOR C','MSc Mat','karthik@gmail.com',9885928322,10000);

commit;

OUTPUT

Oracle SQL Developer : C:\Users\mypc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local Connection... insertion.sql Untitled.sql

SQL Worksheet History

Worksheet Query Builder

1 select * from admin_dept;

Query Result x

All Rows Fetched: 5 in 0.134 seconds

	AD_ID	NAME	DESIGNATION	QUALIFICATION	EMAIL	PHONE	SALARY
1	1	Anirudh Karanam	PRINCIPAL	PhD Chem	anirudh@gmail.com	8688456460	20000
2	2	Yeswin	HEADMASTER	PhD Hist	yeswin@gmail.com	9912342395	15000
3	3	Jaswanth	COORDINATOR A	BSc Mat	jaswanrh@gmail.com	8179880955	10000
4	4	Manish	COORDINATOR B	BTech CS	manish@gmail.com	9491090388	10000
5	5	Karthik	COORDINATOR C	MSc Mat	karthik@gmail.com	9885928322	10000

‘Student’:

```
INSERT INTO STUDENT VALUES(26,'Sree',12,'A','PAID');
```

```
INSERT INTO STUDENT VALUES(12,'Uday',12,'A','PAID');
```

```
INSERT INTO STUDENT VALUES(14,'Sahasra',12,'A','PAID');
```

```
INSERT INTO STUDENT VALUES(25,'Kedar',12,'F','NOTPAID');
```

```
INSERT INTO STUDENT VALUES(21,'Akhil',12,'C','LOAN');
```

```
INSERT INTO STUDENT VALUES(05,'Abhijeet',11,'A','NOTPAID');
```

```
commit;
```

OUTPUT

Oracle SQL Developer : C:\Users\mypc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local Connection... Tables

ADMIN_DEPT CLASS EXAM HOMEWORK HOTEL MARKS PARENT PASSENGER_DETAILS PASSENGER_DUP RESIDES_IN STUDENT SUBJECTS TEACHER TICKET TRAIN TRAIN_ROUTE TRAIN_TICKET_FARE TRAVELLER

insertion.sql x Untitled.sql x STUDENT x

SQL Worksheet History

Worksheet Query Builder

1 select * from student;

Query Result x

SQL All Rows Fetched: 6 in 0.007 seconds

	ROLL_NO	NAME	CLASS	SECTION	FEES
1	26	Sree	12	A	PAID
2	12	Uday	12	A	PAID
3	14	Sahasra	12	A	PAID
4	25	Kedar	12	F	NOTPAID
5	21	Akhil	12	C	LOAN
6	5	Abhijeet	11	A	NOTPAID

‘Parent’:

INSERT INTO PARENT VALUES(14,'BadriNath',9866006460);

INSERT INTO PARENT VALUES(12,'Lakshmi',9898090990);

INSERT INTO PARENT VALUES(21,'Raghuram',8989898989);

INSERT INTO PARENT VALUES(25,'Narayana rao',9700970070);

INSERT INTO PARENT VALUES(05,'Koteswar Rao',9080908090);

INSERT INTO PARENT VALUES(26,'Kusuma',9080990099);

commit;

OUTPUT

Oracle SQL Developer : hr@local

File Edit View Navigate Run Source Team Tools Window Help

hr.. Conn... Tables

ADMIN_DEPT
CLASS
EXAM
HOMEWORK
HOTEL
MARKS
PARENT
PASSENGER_DETAILS
PASSENGER_DUP
RESIDES_IN
STUDENT
SUBJECTS
TEACHER
TICKET
TRAIN
TRAIN_ROUTE
TRAIN_TICKET_FARE
TRAVELLER

Welcome Page hr@local insertion.sql

Worksheet Query Builder

1 select * from parent;

Script Output Query Result

SQL | All Rows Fetched: 6 in 0.046 seconds

	ROLL_NO	PARENT_NAME	PHONE_NO
1	14	BadriNath	9866006460
2	12	Lakshmi	9898090990
3	21	Raghuram	8989898989
4	25	Narayana rao	9700970070
5	5	Koteswar Rao	9080908090
6	26	Kusuma	9080990099

‘Teacher’:

```
INSERT INTO TEACHER VALUES('PMT001','Roy  
Santiago','BSc',4000,'CL001',6767676767,3);
```

```
INSERT INTO TEACHER VALUES('TMP002','Dinesh  
Kumar','BA',3500,'CL018',8989898989,4);
```

```
INSERT INTO TEACHER VALUES('PMT003','Bimal  
Kumar','BSc',4000,'CL120',7878787878,5);
```

```
INSERT INTO TEACHER VALUES('TMP004','Vijayan','BA',3500,'CL121',8686868686,5);
```

```
INSERT INTO TEACHER VALUES('PMT005','Reshma  
Thomas','BSc',2500,'CL102',9769769769,4);
```

commit;

OUTPUT

Oracle SQL Developer : C:\Users\mypc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local * Connection... * insertion.sql * Untitled.sql * TEACHER *

SQL Worksheet History

Worksheet Query Builder

1 select * from teacher;

Query Result x

SQL | All Rows Fetched: 5 in 0.005 seconds

	T_ID	NAME	QUALIFICATION	SALARY	STD_SEC	PHONE_NO	AD_ID
1	PMT001	Roy Santiago	BSc	4000	CL001	6767676767	3
2	TMP002	Dinesh Kumar	BA	3500	CL018	8989898989	4
3	PMT003	Bimal Kumar	BSc	4000	CL120	7878787878	5
4	TMP004	Vijayan	BA	3500	CL121	8686868686	5
5	PMT005	Reshma Thomas	BSc	2500	CL102	9769769769	4

‘Homework’:

INSERT INTO HOMEWORK VALUES('HW1001','PHY','PMT003',DATE'2020-06-08',33);

INSERT INTO HOMEWORK VALUES('HW1002','CHEM','PMT005',DATE'2020-06-06',29);

INSERT INTO HOMEWORK VALUES('HW1003','BENG','TMP004',DATE'2020-06-09',25);

INSERT INTO HOMEWORK VALUES('HW1004','PHY','PMT003',DATE'2020-03-01',33);

INSERT INTO HOMEWORK VALUES('HW1005','HIST','TMP002',DATE'2020-02-01',28);

commit;

OUTPUT

Oracle SQL Developer : C:\Users\mypc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local x Connection... x insertion.sql x Untitled.sql x TEACHER x

SQL Worksheet History

Worksheet Query Builder

1 select * from homework;

Query Result x

SQL All Rows Fetched: 5 in 0.006 seconds

	HW_ID	SUB_ASSIGN	T_ID	DUE_DATE	NO_OF_STUDENTS
1	HW1001	PHY	PMT003	08-06-20	33
2	HW1002	CHEM	PMT005	06-06-20	29
3	HW1003	BENG	TMP004	09-06-20	25
4	HW1004	PHY	PMT003	01-03-20	33
5	HW1005	HIST	TMP002	01-02-20	28

‘Exam’

```
INSERT INTO EXAM VALUES('EXM001','PHY',DATE'2020-06-08','qpaper1.docx','PMT001');
```

```
INSERT INTO EXAM VALUES('EXM002','HIST',DATE'2020-06-07','qpaper2.docx','TMP002');
```

```
INSERT INTO EXAM VALUES('EXM003','CHEM',DATE'2020-06-05','qpaper3.docx','PMT005');
```

```
INSERT INTO EXAM VALUES('EXM004','BENG',DATE'2020-06-04','qpaper4.docx','TMP004');
```

```
INSERT INTO EXAM VALUES('EXM005','CHML',DATE'2020-06-03','qpaper5.docx','PMT005');
```

```
commit;
```

OUTPUT

Oracle SQL Developer : C:\Users\mypc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local Connection... insertion.sql x Untitled.sql x TEACHER x

SQL Worksheet History

Worksheet Query Builder

1 select * from exam;

Query Result x

All Rows Fetched: 5 in 0.005 seconds

	EXAM_CODE	EXAM_SUB	EXAM_DATE	EXAM_QPAPER	T_ID
1	EXM001	PHY	08-06-20	qpaper1.docx	PMT001
2	EXM002	HIST	07-06-20	qpaper2.docx	TMP002
3	EXM003	CHEM	05-06-20	qpaper3.docx	PMT005
4	EXM004	BENG	04-06-20	qpaper4.docx	TMP004
5	EXM005	CHML	03-06-20	qpaper5.docx	PMT005

‘Class’

INSERT INTO CLASS VALUES('12A',3,'PMT001',33);

INSERT INTO CLASS VALUES('12C',4,'TMP002',28);

INSERT INTO CLASS VALUES('12F',4,'PMT003',32);

INSERT INTO CLASS VALUES('11A',5,'TMP004',30);

INSERT INTO CLASS VALUES('11F',3,'PMT005',28);

Commit;

OUTPUT

Oracle SQL Developer : hr@local

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hr.. Conn... insertion.sql Welcome Page hr@local tablesprj.sql

Tables

- ADMIN_DEPT
- EXAM
- HOMEWORK
- HOTEL
- MARKS
- PARENT
- PASSENGER_DETAILS
- PASSENGER_DUP
- RESIDES_IN
- STUDENT
- SUBJECTS
- TEACHER
- TICKET
- TRAIN
- TRAIN_ROUTE
- TRAIN_TICKET_FARE
- TRAVELLER

Worksheet Query Builder

```
1 select * from class;
```

Script Output x Query Result x

SQL | All Rows Fetched: 5 in 0.099 seconds

	STD_SEC	AD_ID	T_ID	TOTAL_STUDENTS
1	12A	3	PMT001	33
2	12C	4	TMP002	28
3	12F	4	PMT003	32
4	11A	5	TMP004	30
5	11F	3	PMT005	28

‘Subjects’

```
INSERT INTO SUBJECTS VALUES('PHY1001','Introduction to Physics','PMT003',70);  
INSERT INTO SUBJECTS VALUES('CHY1001','Introduction to Chemistry','PMT001',35);  
INSERT INTO SUBJECTS VALUES('BENG1001','Bengali for Beginners','TMP004',80);  
INSERT INTO SUBJECTS VALUES('HIST1001','History In Brief','TMP002',75);  
INSERT INTO SUBJECTS VALUES('CHY1701','Chemistry In-Lab','PMT005',70);  
  
Commit;
```

OUTPUT

Oracle SQL Developer : C:\Users\myopc\Desktop\Untitled.sql

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hr@local * Connectio... * insertion.sql * Untitled.sql * TEACHER *

SQL Worksheet History

Worksheet Query Builder

1 select * from subjects;

Query Result x

SQL | All Rows Fetched: 5 in 0.006 seconds

	SUBJ_CODE	NAME	T_ID	TOT_STUD_ENROL
1	PHY1001	Introduction to Physics	PMT003	70
2	CHY1001	Introduction to Chemistry	PMT001	35
3	BENG1001	Bengali for Beginners	TMP004	80
4	HIST1001	History In Brief	TMP002	75
5	CHY1701	Chemistry In-Lab	PMT005	70

'Marks'

```
INSERT INTO MARKS VALUES('SL001',98,100,'PHYSICS','Sahasra','PMT003',14);  
INSERT INTO MARKS VALUES('SL0001',97,100,'PHYSICS','Sree','PMT003',26);  
INSERT INTO MARKS VALUES('SL003',94,100,'PHYSICS','Uday','PMT003',12);  
INSERT INTO MARKS VALUES('SL004',92,100,'CHEMISTRY','Sahasra','PMT001',14);  
INSERT INTO MARKS VALUES('SL005',90,100,'CHEMISTRY','Sree','PMT001',26);  
  
commit;
```

OUTPUT

Oracle SQL Developer : C:\Users\myopc\Desktop\Untitled.sql

File Edit View Navigate Run Source Team Tools Window Help

hr@local x Connectio... x insertion.sql x Untitled.sql x TEACHER x

SQL Worksheet History

Worksheet Query Builder

1 select * from marks;

Query Result x

All Rows Fetched: 5 in 0.004 seconds

	PAPER_NO	MARKS_OBT	TOTAL_MARKS	SUBJECT	STUDENT_NAME	T_ID	ROLL_NO
1	SL001	98	100	PHYSICS	Sahasra	PMT003	14
2	SL0001	97	100	PHYSICS	Sree	PMT003	26
3	SL003	94	100	PHYSICS	Uday	PMT003	12
4	SL004	92	100	CHEMISTRY	Sahasra	PMT001	14
5	SL005	90	100	CHEMISTRY	Sree	PMT001	26