HR Management
Data Base Script

This section included script for Designed Database such as tables attributes and relations between them.

```sql
--  Employee Table
Create Table Employee)
   Emp_ID number PRIMARY KEY,
   F_Name varchar2(20) NOT NULL,
   L_Name varchar2,(20)
   Email varchar2(30) UNIQUE,
   Emp_password varchar2,(15)
   Address varchar2,(30)
   Mobile varchar2,(11)
   Working_Hours number,(2)
   Salary number CHECK(Salary > 0),
   Dep_ID number
;(


--  Department Table
Create Table Department)
   Dep_ID number PRIMARY KEY,
   Dep_Name varchar2(20) UNIQUE,
   Location varchar2,(30)
   Dep_Manger number
;(
```

```sql
-- Meeting Table
Create Table Meeting)
   Meeting_ID number PRIMARY KEY,
   Meeting_Date Date,
   Meeting_Duration number,
   Meeting_Location varchar2,(30)
   Meeting_Leader number
;(


-- EMP_Meeting Table
Create Table EMP_Meeting)
   Emp_ID number,
   Meeting_ID number
;(


-- Training Table
Create Table Training)
   Training_ID number PRIMARY KEY,
   Training_Title varchar2(20) NOT NULL,
   Training_Description varchar2(40)
;(


-- Training_Team Table
Create Table Training_Team)
   Training_ID number,
   Emp_ID number,
   Team_or_Emp number
;(
```

```sql
-- Evaluation Table
Create Table Evaluation)
    Eval_ID number PRIMARY KEY,
    Eval_Value number CHECK(Eval_Value > 0),
    FeedBack varchar2,(50)
    Emp_ID number,
    HR_Emp_ID number
;(


-- Interview Table
Create Table Interview)
    Interview_ID number PRIMARY KEY,
    Interview_Date Date,
    Interview_Result varchar2,(10)
    Interviewee_ID number,
    HR_Emp_ID number
;(



-- Interviewee Table
Create Table Interviewee)
    Interviewee_ID number PRIMARY KEY,
    F_Name varchar2(20) CHECK(F_Name is Not NULL),
    L_Name varchar2,(20)
    Mobile varchar2,(11)
    Email varchar2(25) UNIQUE,
    Address varchar2(25)
;(
```

```sql
-- Reward Table
Create Table Reward)
    Reward_ID number PRIMARY KEY,
    Bonus number CHECK (Bonus >= 0),
    Punishment number CHECK (Punishment >= 0),
    Value number,
    Result number,
    Reason varchar2,(20)
    EMP_ID number,
    HR_Emp_ID number
;(



-- Make Composite Primary Key For EMP_Meeting Table
ALTER TABLE EMP_Meeting
ADD PRIMARY KEY (Emp_ID, Meeting_ID);



-- Make Composite Primary Key For Training_Team Table
ALTER TABLE Training_Team
ADD PRIMARY KEY (Training_ID, Emp_ID);



-- Employee Table Foreign Keys [Relations]
Alter Table Employee
Add Constraint EmpDep_DepID_FK
Foreign Key (Dep_ID)
References Department (Dep_ID);
```

```sql
-- Department Table Foreign Keys [Relations]
Alter Table Department
Add Constraint DepEmp_DepManager_FK
Foreign Key (Dep_Manger)
References Employee (Emp_ID);



-- Meeting Table Foreign Keys [Relations]
Alter Table Meeting
Add Constraint MeetingEmp_MetLeader_FK
Foreign Key (Meeting_Leader)
References Employee (Emp_ID);



-- Training_Team Table Foreign Keys [Relations]
Alter Table Training_Team
Add Constraint TrainTeamTrain_TrainID_FK
Foreign Key (Training_ID)
References Training (Training_ID);



Alter Table Training_Team
Add Constraint TrainTeamEmp_EmpID_FK
Foreign Key (Emp_ID)
References Employee (Emp_ID);
```

```sql
-- EMP_Meeting Table Foreign Keys [Relations]
Alter Table EMP_Meeting
Add Constraint EmpMeetEmp_EmpID_FK
Foreign Key (Emp_ID)
References Employee (Emp_ID);



Alter Table EMP_Meeting
Add Constraint EmpMeetingMeeting_MeetID_FK
Foreign Key (Meeting_ID)
References Meeting (Meeting_ID);



-- Evaluation Table Foreign Keys [Relations]
Alter Table Evaluation
Add Constraint EvalEmp_EmpID_FK
Foreign Key (Emp_ID)
References Employee (Emp_ID);



-- Interview Table Foreign Keys [Relations]
Alter Table Interview
Add Constraint InterviewEmp_HRID_FK
Foreign Key (HR_Emp_ID)
References Employee (Emp_ID);
```

```sql
Alter Table Interview
Add Constraint InterviewInterviewee_IntervieweeID_FK
Foreign Key (Interviewee_ID)
References Interviewee (Interviewee_ID);



-- Reward Table Foreign Keys [Relations]
Alter Table Reward
Add Constraint RewardEmp_EmpID_FK
Foreign Key (Emp_ID)
References Employee (Emp_ID);


commit;
```

HR Management

Data Base ScreenShots

This section included attached screen shots for designed tables attributes and constrains.

■ Emp_Meeting

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
EMP_ID	NUMBER	No	(null)	1	1	(null)
MEETING_ID	NUMBER	No	(null)	2	2	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
EMPMEETEMP_EMPID_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
EMPMEETINGMEETING_MEETID_FK	Foreign_Key	(null)	HR	MEETING	MEETING_MEETINGID_PK
EMPMEETING_COMPID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Training

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
TRAINING_ID	NUMBER	No	(null)	1	1	(null)
TRAINING_TITLE	VARCHAR2(20 BYTE)	No	(null)	2	(null)	(null)
TRAINING_DESCRIPTION	VARCHAR2(40 BYTE)	Yes	(null)	3	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
TRAINING_TITLE_CK	Check	"TRAINING_TITLE" IS NOT NULL	(null)	(null)	(null)
TRAINING_TRAININGID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Department

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
DEP_ID	NUMBER	No	(null)	1	1	(null)
DEP_NAME	VARCHAR2(20 BYTE)	Yes	(null)	2	(null)	(null)
LOCATION	VARCHAR2(30 BYTE)	Yes	(null)	3	(null)	(null)
DEP_MANGER	NUMBER	Yes	(null)	4	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
DEPARTMENT_DEPID_PK	Primary_Key	(null)	(null)	(null)	(null)
DEPARTMENT_DEPNAME_UK	Unique	(null)	(null)	(null)	(null)
DEPEMP_DEPMANAGER_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK

[Table Constrains]

■ Meeting

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
MEETING_ID	NUMBER	No	(null)	1	1	(null)
MEETING_DATE	DATE	Yes	(null)	2	(null)	(null)
MEETING_DURATION	NUMBER	Yes	(null)	3	(null)	(null)
MEETING_LOCATION	VARCHAR2(30 BYTE)	Yes	(null)	4	(null)	(null)
MEETING_LEADER	NUMBER	Yes	(null)	5	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
MEETINGEMP_METLEADER_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
MEETING_MEETINGID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Interview

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
INTERVIEW_ID	NUMBER	No	(null)	1	1	(null)
INTERVIEW_DATE	DATE	Yes	(null)	2	(null)	(null)
INTERVIEW_RESULT	VARCHAR2(10 BYTE)	Yes	(null)	3	(null)	(null)
INTERVIEWEE_ID	NUMBER	Yes	(null)	4	(null)	(null)
HR_EMP_ID	NUMBER	Yes	(null)	5	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
INTERVIEWEE_INTERVIEWEEID_FK	Foreign_Key	(null)	HR	INTERVIEWEE	INTERVIEWEE_INTERVIEWEEID_PK
INTERVIEWEMP_HRID_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
INTERVIEW_INTERVIEWID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Evaluation

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
EVAL_ID	NUMBER	No	(null)	1	1	(null)
EVAL_VALUE	NUMBER	Yes	(null)	2	(null)	(null)
FEEDBACK	VARCHAR2(50 BYTE)	Yes	(null)	3	(null)	(null)
EMP_ID	NUMBER	Yes	(null)	4	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
EVALEMP_EMPID_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
EVALUATION_EVALID_PK	Primary_Key	(null)	(null)	(null)	(null)
EVALUATION_EVALVAL_CK	Check	Eval_Value > 0	(null)	(null)	(null)

[Table Constrains]

■ Training_Team

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
TRAINING_ID	NUMBER	No	(null)	1	1	(null)
EMP_ID	NUMBER	No	(null)	2	2	(null)
TEAM_OR_EMP	NUMBER	Yes	(null)	3	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
TRAINTEAMEMP_EMPID_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
TRAINTEAMTRAIN_TRAINID_FK	Foreign_Key	(null)	HR	TRAINING	TRAINING_TRAININGID_PK
TRAINTEAM_COMP_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Interviewee

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
INTERVIEWEE_ID	NUMBER	No	(null)	1	1	(null)
F_NAME	VARCHAR2(20 BYTE)	Yes	(null)	2	(null)	(null)
L_NAME	VARCHAR2(20 BYTE)	Yes	(null)	3	(null)	(null)
MOBILE	VARCHAR2(11 BYTE)	Yes	(null)	4	(null)	(null)
EMAIL	VARCHAR2(25 BYTE)	Yes	(null)	5	(null)	(null)
ADDRESS	VARCHAR2(25 BYTE)	Yes	(null)	6	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
INTERVIEWEE_EMAIL_UK	Unique	(null)	(null)	(null)	(null)
INTERVIEWEE_FNAME_CK	Check	F_Name is not Null	(null)	(null)	(null)
INTERVIEWEE_INTERVIEWEEID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Reward

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
REWARD_ID	NUMBER	No	(null)	1	1	(null)
BONUS	NUMBER	Yes	(null)	2	(null)	(null)
PUNISHMENT	NUMBER	Yes	(null)	3	(null)	(null)
VALUE	NUMBER	Yes	(null)	4	(null)	(null)
RESULT	NUMBER	Yes	(null)	5	(null)	(null)
REASON	VARCHAR2(20 BYTE)	Yes	(null)	6	(null)	(null)
EMP_ID	NUMBER	Yes	(null)	7	(null)	(null)

[Table Attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
REWARDEMP_EMPID_FK	Foreign_Key	(null)	HR	EMPLOYEE	EMPLOYEE_EMPID_PK
REWARD_BONUS_CK	Check	Bonus >= 0	(null)	(null)	(null)
REWARD_PUNISHMENT_CK	Check	Punishment >= 0	(null)	(null)	(null)
REWARD_REWARDID_PK	Primary_Key	(null)	(null)	(null)	(null)

[Table Constrains]

■ Employee

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
EMP_ID	NUMBER	No	(null)	1	1	(null)
F_NAME	VARCHAR2(20 BYTE)	No	(null)	2	(null)	(null)
L_NAME	VARCHAR2(20 BYTE)	Yes	(null)	3	(null)	(null)
EMAIL	VARCHAR2(30 BYTE)	Yes	(null)	4	(null)	(null)
EMP_PASSWORD	VARCHAR2(15 BYTE)	Yes	(null)	5	(null)	(null)
ADDRESS	VARCHAR2(30 BYTE)	Yes	(null)	6	(null)	(null)
MOBILE	VARCHAR2(11 BYTE)	Yes	(null)	7	(null)	(null)
WORKING_HOURS	NUMBER(2,0)	Yes	(null)	8	(null)	(null)
SALARY	NUMBER	Yes	(null)	9	(null)	(null)
DEP_ID	NUMBER	Yes	(null)	10	(null)	(null)

[table attributes]

Constraint Name	Constraint Type	Search Condition	Reference Owner	Referenced Table	Reference Constraint Name
EMPDEP_DEPID_FK	Foreign_Key	(null)	HR	DEPARTMENT	DEPARTMENT_DEPID_PK
EMPLOYEE_EMAIL_UK	Unique	(null)	(null)	(null)	(null)
EMPLOYEE_EMPID_PK	Primary_Key	(null)	(null)	(null)	(null)
EMPLOYEE_FNAME_CK	Check	"F_NAME" IS NOT NULL	(null)	(null)	(null)
EMPLOYEE_SALARY_CK	Check	Salary>0	(null)	(null)	(null)

[Table Constrains]