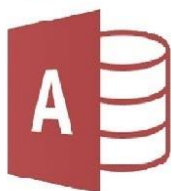
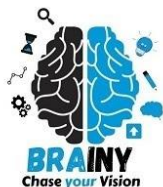




राष्ट्रीय प्रौद्योगिकी संस्थान वारंगल

National Institute of Technology
Warangal

Department of Computer
Science and Engineering



DATA BASE MANAGEMENT SYSTEM

SOFTWARE COMPANY'S DATABASE

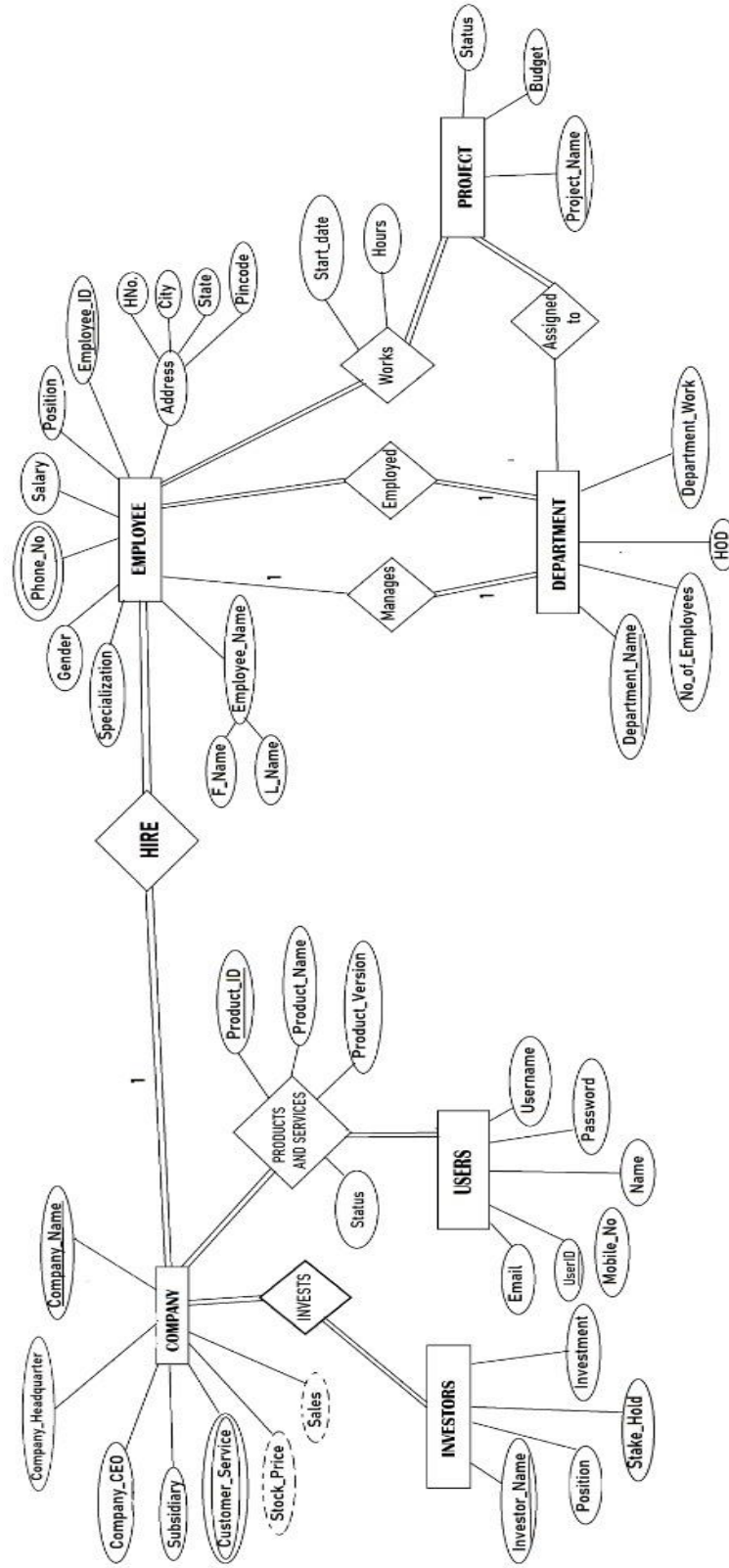
Problem Statement:

The project aims at designing the database management system for IT companies. The database contains all the important information regarding company, company services, investors, employees, workers and projects. This information would be readily available for the company executives and management which would play vital role in the proper functioning of the company.

The statistical data from the database can accurately determine the projects, employees in the company and also predict the status of the ongoing projects. The database is not only capable of tracing back products and services given to the user of the company. As the employees are linked to the projects through works, we can keep track of a particular project. The database links the company officials and company workers to the company headquarters thereby insuring proper management and sufficient task force at a particular project.

Thus, through the use of this database management system we can easily monitor functioning of a IT company.

ER-Diagram:



ER DIAGRAM FOR IT COMPANY DATABASE

207101 ABHISHEK
207201 ABHISHEK VERMA

Relations:

There are 14 relations in total, in this software company database model. Their structure as well as data are given below.

1. SOFTWARE_COMPANY

| Attribute | Data_Type | Constraints and Characteristics |
|----------------------|--------------|---------------------------------|
| COMPANY NAME | VARCHAR2(30) | PRIMARY KEY |
| COMPANY HEADQUARTERS | VARCHAR2(40) | NOT NULL |
| COMPANY CEO | VARCHAR2(40) | NOT NULL |
| STOCK PRICE | NUMBER | NOT NULL |
| SALES | NUMBER | NOT NULL |

2. COMPANY_SUBSIDIARY

| Attribute | Data_Type | Constraints and Characteristics |
|--------------|--------------|---------------------------------|
| SUBSIDIARY | VARCHAR2(40) | NOT NULL |
| COMPANY NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |

3. COMPANY_SERVICE

| Attribute | Data_Type | Constraints and Characteristics |
|------------------|--------------|---------------------------------|
| CUSTOMER SERVICE | VARCHAR2(30) | NOT NULL |
| COMPANY NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |

4. SOFTWARE_INVESTORS

| Attribute | Data_Type | Constraints and Characteristics |
|-------------------|--------------|---------------------------------|
| INVESTOR NAME | VARCHAR2(30) | PRIMARY KEY |
| INVESTOR POSITION | VARCHAR2(20) | NOT NULL |
| STAKE HOLD | NUMBER | NOT NULL |
| INVESTMENT | NUMBER | NOT NULL |

5. INVESTS

| Attribute | Data_Type | Constraints and Characteristics |
|---------------|--------------|---------------------------------|
| COMPANY NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |
| INVESTOR NAME | VARCHAR2(30) | PRIMARY KEY |

6. SOFTWARE_USERS

| Attribute | Data_Type | Constraints and Characteristics |
|---------------|--------------|---------------------------------|
| EMAIL | VARCHAR2(30) | NOT NULL |
| USERID | NUMBER | PRIMARY KEY |
| USER NAME | VARCHAR2(30) | NOT NULL |
| USER PASSWORD | VARCHAR2(20) | NOT NULL |
| USERNAME | VARCHAR2(30) | NOT NULL |

7. USER_MOBILE

| Attribute | Data_Type | Constraints and Characteristics |
|-----------|-----------|---------------------------------|
| MOBILE NO | NUMBER | PRIMARY KEY |
| USERID | NUMBER | FOREIGN KEY, NOT NULL |

8. PRODUCT_AND_SERVICES

| Attribute | Data_Type | Constraints and Characteristics |
|-----------------|--------------|---------------------------------|
| PRODUCT ID | NUMBER | PRIMARY KEY |
| COMPANY NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |
| USERID | NUMBER | FOREIGN KEY, NOT NULL |
| PRODUCT NAME | VARCHAR2(30) | NOT NULL |
| PRODUCT VERSION | VARCHAR2(30) | NOT NULL |
| STATUS | VARCHAR2(20) | NOT NULL |

9. DEPARTMENT

| Attribute | Data_Type | Constraints and Characteristics |
|-----------------|--------------|---------------------------------|
| DEPARTMENT NAME | VARCHAR2(30) | PRIMARY KEY |
| NO OF EMPLOYEE | NUMBER | NOT NULL |
| HOD NAME | VARCHAR2(30) | NOT NULL |
| DEPARTMENT WORK | VARCHAR2(30) | NOT NULL |

10. EMPLOYEE

| Attribute | Data_Type | Constraints and Characteristics |
|-----------------|--------------|---------------------------------|
| EMPLOYEE ID | NUMBER | PRIMARY KEY |
| HOUSENO | NUMBER | NOT NULL |
| CITY | VARCHAR2(10) | NOT NULL |
| EMP STATE | VARCHAR2(10) | NOT NULL |
| PINCODE | NUMBER | NOT NULL |
| EMP POSITION | VARCHAR2(20) | NOT NULL |
| SALARY | NUMBER | NOT NULL |
| GENDER | VARCHAR2(10) | NOT NULL |
| SPECIALIZATION | VARCHAR2(10) | NOT NULL |
| FIRST NAME | VARCHAR2(20) | NOT NULL |
| LAST NAME | VARCHAR2(20) | NOT NULL |
| COMPANY NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |
| DEPARTMENT NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |

11. PHONE_NO

| Attribute | Data_Type | Constraints and Characteristics |
|------------|-----------|---------------------------------|
| PHONENO | NUMBER | PRIMARY KEY |
| EMPLOYEEID | NUMBER | FOREIGN KEY, NOT NULL |

12.SOFT_PROJECT

| Attribute | Data_Type | Constraints and Characteristics |
|--------------|--------------|---------------------------------|
| PROJECT NAME | VARCHAR2(30) | PRIMARY KEY |
| BUDGET | NUMBER | NOT NULL |
| STATUS | VARCHAR2(30) | NOT NULL |

13. ASSIGNED_TO

| Attribute | Data_Type | Constraints and Characteristics |
|-----------------|--------------|------------------------------------|
| DEPARTMENT NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |
| PROJECT NAME | VARCHAR2(30) | PRIMARY KEY, FOREIGN KEY, NOT NULL |

14. WORKS

| Attribute | Data_Type | Constraints and Characteristics |
|---------------|--------------|------------------------------------|
| START DATE | DATE | NOT NULL |
| WORKING HOURS | NUMBER | NOT NULL |
| PROJECT NAME | VARCHAR2(30) | FOREIGN KEY, NOT NULL |
| EMPLOYEE ID | NUMBER | PRIMARY KEY, FOREIGN KEY, NOT NULL |

TABLES:

1.SOFTWARE_COMPANY

```
create table SOFTWARE_COMPANY  
(  
  Company_Name varchar2(30) not null primary key,  
  Company_Headquarter varchar2(40),  
  Company_ceo varchar2(40),  
  Stock_price number,  
  Sales number  
);
```

```
insert into SOFTWARE_COMPANY values('google','Mountain View,  
California, United States','Sundar Pichai',2225.54,161.9);
```

```
insert into SOFTWARE_COMPANY values('microsoft','  
Albuquerque,New Mexico, United States','Satya Nadella', 253.54,  
119.6);
```

```
insert into SOFTWARE_COMPANY values('amazon','Bellevue,  
Washington, United States','Andy Jassy',2129.55,153.9);
```

```
insert into SOFTWARE_COMPANY values('facebook','Cambridge,  
Massachusetts, United States',' Mark Zuckerberg ',190.54,99.9);
```

```
insert into SOFTWARE_COMPANY values('oracle','Austin, Texas,  
United States','Larry Ellison',70.54,110.9);
```

SELECT * FROM SOFTWARE_COMPANY;

| COMPANY_NAME | COMPANY_HEADQUARTER | COMPANY_CEO | STOCK_PRICE | SALES |
|--------------|--|-----------------|-------------|-------|
| 1 google | Mountain View, California, United States | Sundar Pichai | 2225.54 | 161.9 |
| 2 microsoft | Albuquerque, New Mexico, United States | Satya Nadella | 253.54 | 119.6 |
| 3 amazon | Bellevue, Washington, United States | Andy Jassy | 2129.55 | 153.9 |
| 4 facebook | Cambridge, Massachusetts, United States | Mark Zuckerberg | 190.54 | 99.9 |
| 5 oracle | Austin, Texas, United States | Larry Ellison | 70.54 | 110.9 |

2.COMPANY_SUBSIDIARY:

create table Company_Subsiary

(

Subsidiary varchar2(40),

Company_Name varchar2(30),

foreign key (Company_Name) references
SOFTWARE_COMPANY(Company_Name)

);

insert into Company_subsiary values('Aconex','oracle');

insert into Company_subsiary values('Taleo','oracle');

insert into Company_subsiary values('waymo','google');

insert into Company_subsiary values('deepmind','google');

insert into Company_subsiary values('github','microsoft');

insert into Company_subsiary values('Linkedin','microsoft');

insert into Company_subsiary values('zappos','amazon');

```
insert into Company_subsiary values('audible','amazon');  
insert into Company_subsiary values('whatsapp','facebook');  
insert into Company_subsiary values('giphy','facebook');
```

```
SELECT * FROM Company_susidiary;
```

| | ⌘ SUBSIDIARY | ⌘ COMPANY_NAME |
|----|--------------|----------------|
| 1 | Aconex | oracle |
| 2 | Taleo | oracle |
| 3 | waymo | google |
| 4 | deepmind | google |
| 5 | github | microsoft |
| 6 | Linkedin | microsoft |
| 7 | zappos | amazon |
| 8 | audible | amazon |
| 9 | whatsapp | facebook |
| 10 | giphy | facebook |

3.COMPANY_SERVICE:

```
create table Company_service(  
Customer_Service varchar2(30),  
Company_Name varchar2(30),  
foreign key (Company_Name) references  
SOFTWARE_COMPANY(Company_Name)  
);  
  
insert into Company_service values('facebook Lite','facebook');  
insert into Company_service values('instagram','facebook');  
insert into Company_service values('instagram reels','facebook');  
insert into Company_service values('amazon web services',  
'amazon');  
insert into Company_service values('amazon prime','amazon');  
insert into Company_service values('amazon business','amazon');  
insert into Company_service values('bing','microsoft');  
insert into Company_service values('microsoft 365','microsoft');  
insert into Company_service values('google cloud','google');  
insert into Company_service values('google maps','google');  
insert into Company_service values('google photos','google');  
insert into Company_service values('cloud applications','oracle');  
insert into Company_service values('bank and insurance','oracle'  
);
```

SELECT * FROM Company_service;

| | CUSTOMER_SERVICE | COMPANY_NAME |
|----|---------------------|--------------|
| 1 | facebook Lite | facebook |
| 2 | instagram | facebook |
| 3 | instagram reels | facebook |
| 4 | amazon web services | amazon |
| 5 | amazon prime | amazon |
| 6 | amazon business | amazon |
| 7 | bing | microsoft |
| 8 | microsoft 365 | microsoft |
| 9 | google cloud | google |
| 10 | google maps | google |
| 11 | google photos | google |
| 12 | cloud applications | oracle |
| 13 | bank and insurance | oracle |

4.SOFTWARE_INVESTORS:

create table SOFTWARE_INVESTORS

(

Investor_Name varchar2(30) not null primary key,

investor_position varchar2(20),

Stake_Hold number,

Investment number

);

insert into SOFTWARE_INVESTORS values('abhishek verma',
'equity holder',1.2,16);

insert into SOFTWARE_INVESTORS values('divyansh dubey', 'DBT',
2,23);

insert into SOFTWARE_INVESTORS values('yatharth garg', 'DBT',
3,34);

insert into SOFTWARE_INVESTORS values('subham choudhary',
'equity holder',1.5,19);

insert into SOFTWARE_INVESTORS values('rohit kumar','equity
holder',1.4,18);

insert into SOFTWARE_INVESTORS values('kartik gauda','equity
holder',1.7,21);

SELECT * FROM SOFTWARE_INVESTORS;

| | INVESTOR_NAME | INVESTOR_POSITION | STAKE_HOLD | INVESTMENT |
|---|------------------|-------------------|------------|------------|
| 1 | abhishek yadav | equity holder | 1 | 12 |
| 2 | abhishek verma | equity holder | 1.2 | 16 |
| 3 | divyansh dubey | DBT | 2 | 23 |
| 4 | yatharth garg | DBT | 3 | 34 |
| 5 | subham choudhary | equity holder | 1.5 | 19 |
| 6 | rohit kumar | equity holder | 1.4 | 18 |
| 7 | kartik gauda | equity holder | 1.7 | 21 |

5.INVESTS:

create table INVESTS

(

Company_Name varchar2(30),

Investor_Name varchar2(30),

foreign key (Company_Name) references
SOFTWARE_COMPANY(Company_Name),

foreign key (Investor_Name) references
SOFTWARE_INVESTORS(Investor_Name)

);

insert into INVESTS values('google','abhishek yadav');

insert into INVESTS values('oracle','abhishek yadav');

insert into INVESTS values('google','abhishek verma');

insert into INVESTS values('microsoft','abhishek verma');

```

insert into INVESTS values('facebook','abhishek verma');
insert into INVESTS values('amazon','abhishek yadav');
insert into INVESTS values('amazon','divyansh dubey');
insert into INVESTS values('oracle','divyansh dubey');
insert into INVESTS values('amazon','yatharth garg');
insert into INVESTS values('facebook','yatharth garg');
insert into INVESTS values('google','rohit kumar');
insert into INVESTS values('facebook','subham choudhary');
insert into INVESTS values('microsoft','kartik gauda');

```

```

SELECT * FROM INVESTS;

```

| | COMPANY_NAME | INVESTOR_NAME |
|----|--------------|------------------|
| 1 | google | abhishek yadav |
| 2 | oracle | abhishek yadav |
| 3 | google | abhishek verma |
| 4 | microsoft | abhishek verma |
| 5 | facebook | abhishek verma |
| 6 | amazon | abhishek yadav |
| 7 | amazon | divyansh dubey |
| 8 | oracle | divyansh dubey |
| 9 | amazon | yatharth garg |
| 10 | facebook | yatharth garg |
| 11 | google | rohit kumar |
| 12 | facebook | subham choudhary |
| 13 | microsoft | kartik gauda |

6.SOFTWARE_USERS:

create table SOFTWARE_USERS

(

Email varchar2(30),

UserID number not null primary key,

User_Name varchar2(30),

User_Password varchar2(20),

UserName varchar2(30)

);

insert into SOFTWARE_USERS

values('joseph1245@gmail.com',1452,'joseph ite', 'joseph#1245',
'josite145');

insert into SOFTWARE_USERS

values('sam456@gmail.com',1456,'sam henry', 'sam@123',
'1452sam');

insert into SOFTWARE_USERS

values('abraham478@gmail.com',1420,'abraham anand',
'anand\$523','aa1453');

insert into SOFTWARE_USERS

values('peter632@gmail.com',1548,'peter parker', 'pp@#632',
'petper25');

insert into SOFTWARE_USERS

values('tomlary@gmail.com',1956,'tom lary','lary@14','lary45');

```
insert into SOFTWARE_USERS
values('cristiana@gmail.com',1632,'cristiana','cris@23','crisk4589')
;
```

```
insert into SOFTWARE_USERS values ('loratom46@gmail.com',
1234,'tom lora','tom#203','lorat145');
```

```
SELECT * FROM SOFTWARE_USERS;
```

| | EMAIL | USERID | USER_NAME | USER_PASSWORD | USERNAME |
|---|----------------------|--------|---------------|---------------|-----------|
| 1 | joseph1245@gmail.com | 1452 | joseph ite | joseph#1245 | josite145 |
| 2 | sam456@gmail.com | 1456 | sam henry | sam@123 | 1452sam |
| 3 | abraham478@gmail.com | 1420 | abraham anand | anand\$523 | aa1453 |
| 4 | peter632@gmail.com | 1548 | peter parker | pp@#632 | petper25 |
| 5 | tomlary@gmail.com | 1956 | tom lary | lary@14 | lary45 |
| 6 | cristiana@gmail.com | 1632 | cristiana | cris@23 | crisk4589 |
| 7 | loratom46@gmail.com | 1234 | tom lora | tom#203 | lorat145 |

7.USER_MOBILE:

```
create table User_Mobile
```

```
(
```

```
Mobile_No number,
```

```
UserID number,
```

```
foreign key (UserID) references SOFTWARE_USERS(UserID)
```

```
);
```

```
insert into User_Mobile values(7485961234,1452);
```

```
insert into User_Mobile values(9874561235,1456);
```

```
insert into User_Mobile values(7451829635,1452);  
insert into User_Mobile values(8451796321,1420);  
insert into User_Mobile values(8479569845,1548);  
insert into User_Mobile values(8457988899,1956);  
insert into User_Mobile values(7458998563,1632);  
insert into User_Mobile values(8231225633,1234);  
insert into User_Mobile values(9124578463,1456);  
insert into User_Mobile values(9147778875,1956);
```

```
SELECT * FROM User_Mobile;
```

| | MOBILE_NO | USERID |
|----|------------|--------|
| 1 | 7485961234 | 1452 |
| 2 | 9874561235 | 1456 |
| 3 | 7451829635 | 1452 |
| 4 | 8451796321 | 1420 |
| 5 | 8479569845 | 1548 |
| 6 | 8457988899 | 1956 |
| 7 | 7458998563 | 1632 |
| 8 | 8231225633 | 1234 |
| 9 | 9124578463 | 1456 |
| 10 | 9147778875 | 1956 |

8.PRODUCT_AND_SERVICES:

```
create table PRODUCT_AND_SERVICES
(
Product_ID number not null primary key,
Company_Name varchar2(30),
UserID number,
product_Name varchar2(30),
Product_Version varchar2(30),
Status varchar2(20),
foreign key (Company_Name) references
SOFTWARE_COMPANY(Company_Name),
foreign key (UserID) references SOFTWARE_USERS(UserID)
);
```

```
insert into PRODUCT_AND_SERVICES
values(14,'google',1420,'google chrome','0.1.154','free');
```

```
insert into PRODUCT_AND_SERVICES
values(04,'amazon',1632,'amazon prime','0.1.456','paid');
```

```
insert into PRODUCT_AND_SERVICES
values(23,'amazon',1234,'amazon web services','0.16.184','paid');
```

```
insert into PRODUCT_AND_SERVICES
values(16,'microsoft',1956,'microsoft 365','0.2.454','paid');
```

```
insert into PRODUCT_AND_SERVICES values(19,'oracle',1452,'sql developer','0.20.478','free');
```

```
insert into PRODUCT_AND_SERVICES values(08,'facebook',1548,'whatsapp','0.1.471','free');
```

```
insert into PRODUCT_AND_SERVICES values(09,'microsoft',1452,'window 11','0.63.145','free');
```

```
insert into PRODUCT_AND_SERVICES values(20,'google',1632,'google maps','0.20.198','free');
```

```
insert into PRODUCT_AND_SERVICES values(21,'facebook',1956,'instagram','0.01.136','free');
```

```
SELECT * FROM PRODUCT_AND_SERVICES;
```

| | PRODUCT_ID | COMPANY_NAME | USERID | PRODUCT_NAME | PRODUCT_VERSION | STATUS |
|---|------------|--------------|--------|---------------------|-----------------|--------|
| 1 | 14 | google | 1420 | google chrome | 0.1.154 | free |
| 2 | 4 | amazon | 1632 | amazon prime | 0.1.456 | paid |
| 3 | 23 | amazon | 1234 | amazon web services | 0.16.184 | paid |
| 4 | 16 | microsoft | 1956 | microsoft 365 | 0.2.454 | paid |
| 5 | 19 | oracle | 1452 | sql developer | 0.20.478 | free |
| 6 | 8 | facebook | 1548 | whatsapp | 0.1.471 | free |
| 7 | 9 | microsoft | 1452 | window 11 | 0.63.145 | free |
| 8 | 20 | google | 1632 | google maps | 0.20.198 | free |
| 9 | 21 | facebook | 1956 | instagram | 0.01.136 | free |

9.SOFTWARE_DEPARTMENT:

create table SOFTWARE_DEPARTMENT

(

Department_Name varchar2(30) not null primary key,

No_Of_Employee number,

HOD_Name varchar2(30),

Department_work varchar2(40)

);

insert into PRODUCT_AND_SERVICES values (21,'facebook', 1956,
'instagram','0.01.136','free');

insert into SOFTWARE_DEPARTMENT values('design',463, 'simon',
'design for apps and websites');

insert into SOFTWARE_DEPARTMENT values('finance',562, 'jack',
'maintain finanace');

insert into SOFTWARE_DEPARTMENT values('marketing',124,
'charlie','work on market');

insert into SOFTWARE_DEPARTMENT values('engineering and
technology',489,'tom stark','future products');

insert into SOFTWARE_DEPARTMENT values('business strategy',
365,'jagal','how to earn money from product');

insert into SOFTWARE_DEPARTMENT values('sales,services',784,
'rajesh','sell of product,online marketing');

SELECT * FROM SOFTWARE_DEPARTMENT;

| DEPARTMENT_NAME | NO_OF_EMPLOYEE | HOD_NAME | DEPARTMENT_WORK |
|------------------------------|----------------|-----------|-----------------------------------|
| 1 design | 463 | simon | design for apps and websites |
| 2 finance | 562 | jack | maintain finanace |
| 3 marketing | 124 | charlie | work on market |
| 4 engineering and technology | 489 | tom stark | future products |
| 5 business strategy | 365 | jagal | how to earn money from product |
| 6 sales, services | 784 | rajesh | sell of product, online marketing |

10.EMPLOYEE:

create table EMPLOYEE(

Employee_ID number not null primary key,

HouseNO number,

City varchar2(10),

EMP_State varchar2(10),

PinCode number,

EMP_Position varchar2(20),

Salary number,

Gender varchar2(10),

Specialization varchar2(10),

First_Name varchar2(20),

Last_Name varchar2(20),

Company_Name varchar2(30),

Department_Name varchar2(30),

foreign key (Company_Name) references
SOFTWARE_COMPANY(Company_Name),
foreign key (Department_Name) references
SOFTWARE_DEPARTMENT(Department_Name)
);

insert into EMPLOYEE values (36,365,'miami','florida', 984561,
'marketing', 1410000, 'female', 'marketing', 'jack', 'james',
'facebook','marketing');

insert into EMPLOYEE values (41,345,'york','york',415263,
'marketing', 1200000, 'male', 'finance', 'lemon', 'temon', 'google',
'marketing');

SELECT * FROM EMPLOYEE;

| | EMPLOYEE_ID | HOUSENO | CITY | EMP_STATE | PINCODE | EMP_POSITION | SALARY | GENDER | SPECIALIZATION | FIRST_NAME | LAST_NAME | COMPANY_NAME | DEPARTMENT_NAME |
|---|-------------|---------|-------|-----------|---------|--------------|---------|--------|----------------|------------|-----------|--------------|-----------------|
| 1 | 36 | 365 | miami | florida | 984561 | marketing | 1410000 | female | marketing | jack | james | facebook | marketing |
| 2 | 41 | 345 | york | york | 415263 | marketing | 1200000 | male | finance | lemon | temon | google | marketing |

11.PHONE_NO:

create table Phone_NO

(

PhoneNO number,

Employee_ID number,

foreign key (Employee_ID) references EMPLOYEE(Employee_ID)

);

```
insert into Phone_NO values(7894561233,36);
insert into Phone_NO values(9874512633,36);
insert into Phone_NO values(8451223679,41);
insert into Phone_NO values(8218425120,41);
```

```
SELECT * FROM Phone_NO;
```

| | PHONENO | EMPLOYEE_ID |
|---|------------|-------------|
| 1 | 7894561233 | 36 |
| 2 | 9874512633 | 36 |
| 3 | 8451223679 | 41 |
| 4 | 8218425120 | 41 |

12.SOFT_PROJECT:

```
create table SOFT_PROJECT
```

```
(
```

```
Project_Name varchar2(30) not null primary key,
```

```
Budget number,
```

```
Status varchar2(30)
```

```
);
```

```
insert into SOFT_PROJECT values('xyz',4500,'running');
```

```
insert into SOFT_PROJECT values('abc',3200,'completed');
```

```
insert into SOFT_PROJECT values('pqr',2100,'completed');
```

```
insert into SOFT_PROJECT values('lmn',8450,'running');
```

```
SELECT * FROM SOFT_PROJECT;
```

| | PROJECT_NAME | BUDGET | STATUS |
|---|--------------|--------|-----------|
| 1 | xyz | 4500 | running |
| 2 | abc | 3200 | completed |
| 3 | pqr | 2100 | completed |
| 4 | lmn | 8450 | running |

13.ASSIGNED_TO:

```
create table ASSIGNED_TO
```

```
(
```

```
Department_Name varchar2(30),
```

```
Project_Name varchar2(30),
```

```
foreign key (Department_Name) references  
SOFTWARE_DEPARTMENT(Department_Name),
```

```
foreign key (Project_Name) references  
SOFT_PROJECT(Project_Name)
```

```
);
```

```
insert into ASSIGNED_TO values('finance','xyz');
```

```
insert into ASSIGNED_TO values('engineering and  
technology','abc');
```

```
insert into ASSIGNED_TO values('business strategy','pqr');  
insert into ASSIGNED_TO values('design','lmn');
```

```
SELECT * FROM ASSIGNED_TO;
```

| | DEPARTMENT_NAME | PROJECT_NAME |
|---|----------------------------|--------------|
| 1 | finance | xyz |
| 2 | engineering and technology | abc |
| 3 | business strategy | pqr |
| 4 | design | lmn |

14.WORKS:

```
create table WORKS
```

```
(
```

```
Start_date date,
```

```
Working_hours number,
```

```
Project_Name varchar2(30),
```

```
Employee_ID number,
```

```
foreign key (Project_Name) references  
SOFT_PROJECT(Project_Name),
```

```
foreign key (Employee_ID) references EMPLOYEE(Employee_ID)
```

```
);
```

```
insert into WORKS values(to_date('10/11/2019','dd/mm/yyyy'), 8,  
'xyz',41);
```

```
insert into WORKS values(to_date('12/08/2018', 'dd/mm/yyyy'), 7,  
'xyz',36);
```

```
insert into WORKS values(to_date('18/09/2020','dd/mm/yyyy'), 8,  
'pqr',36);
```

```
insert into WORKS values(to_date('26/08/2011','dd/mm/yyyy'), 9,  
'pqr',41);
```

```
SELECT * FROM WORKS;
```

| | START_DATE | WORKING_HOURS | PROJECT_NAME | EMPLOYEE_ID |
|---|------------|---------------|--------------|-------------|
| 1 | 10-NOV-19 | 8 | xyz | 41 |
| 2 | 12-AUG-18 | 7 | xyz | 36 |
| 3 | 18-SEP-20 | 8 | pqr | 36 |
| 4 | 26-AUG-11 | 9 | pqr | 41 |

THANK YOU

