#Creating Database IT\_Firm

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#Creating table Clients

CREATE TABLE CLIENTS

(ClientID bigint PRIMARY KEY, CName varchar(40) NOT NULL,Address varchar(30),Email varchar(30) UNIQUE,Phone bigint,Business varchar(20) NOT NULL)

#Inserting values into Table Clients

INSERT INTO CLIENTS VALUES

(1001,'ACME Utilities','Noida','contact@acmeutil.com',9567880032,'Manufacturing'),

(1002,'Trackon Consultants','Mumbai','consult@trackon.com',8734210090,'Consultant'),

(1003,'MoneySaver Distributors','Kolkata','save@moneysaver.com',7799886655,'Reseller'),

(1004,'Lawful Corp','Chennai','justice@lawful.com',9210342219,'Professional')

#Creating table Departments

CREATE TABLE DEPARTMENTS

(Deptno INT PRIMARY KEY, Dname VARCHAR(15) NOT NULL, Loc VARCHAR(20))

#Inserting values into

INSERT INTO DEPARTMENTS

VALUES

--(10,'Design','Pune'),

(20,'Development','Pune'),

(30,'Testing','Mumbai'),

(40,'Document','Mumbai')

SELECT \* FROM DEPARTMENTS

#Creating table Employees

Create table Employees

(Empno int PRIMARY KEY, Ename VARCHAR(20) NOT NULL, Job VARCHAR(15),Salary int CHECK(Salary>0),Deptno int FOREIGN KEY REFERENCES Departments(Deptno))

#Inserting data into Employees

INSERT INTO Employees values

(7001,'Sandeep','Analyst',25000,10),

(7002,'Rajesh','Designer',30000,10),

(7003,'Madhav','Developer',40000,20),

(7004,'Manoj','Developer',40000,20),

(7005,'Abhay','Designer',35000,10),

(7006,'Uma','Tester',30000,30),

(7007,'Gita','Tech.Writer',30000,40),

(7008,'Priya','Tester',35000,30),

(7009,'Nutan','Developer',45000,20),

(7010,'Smita','Analyst',20000,10),

(7011,'Anand','ProjectMgr',65000,10)

#Creating table Projects

create table Projects

(Project\_ID bigint PRIMARY KEY,Descr VARCHAR(30) Not Null, Start\_Date DATE,Planned\_End\_Date DATE, Actual\_End\_date DATE, Budget int CHECK(Budget>0),Client\_ID bigint FOREIGN KEY REFERENCES Clients(Client\_ID))

#Inserting data into Projects

insert into Projects values

(401,'Inventory','01-Apr-11','01-Oct-11','31-Oct-11',150000,1001)

(402,'Accounting','01-Aug-11','01-Jan-12',' ',500000,1002),

(403,'Payroll','01-Oct-11','31-Dec-11',' ',75000,1003),

(404,'Contact Mgmt','01-Nov-11','31-Dec-11',' ',50000,1004)

#Creating table EmpProjectTasks

CREATE TABLE EmpProjectTasks

(Project\_ID bigint FOREIGN KEY REFERENCES Projects(Project\_ID),Empno int FOREIGN KEY REFERENCES Employees(Empno),Start\_Date DATE,End\_Date DATE,Task VARCHAR(25) Not Null,Status VARCHAR(15) Not Null)

#Inserting values into EmpProjectTasks

INSERT INTO EmpProjectTasks values

(401,7001,'01-Apr-11','20-Apr-11','System Analysis','Completed')

(401,7002,'21-Apr-11','30-May-11','System Design','Completed'),

(401,7003,'01-Jun-11','15-Jul-11','Coding','Completed'),

(401,7004,'18-Jul-11','01-Sep-11','Coding','Completed'),

(401,7006,'03-Sep-11','15-Sep-11','Testing','Completed'),

(401,7009,'18-Sep-11','05-Oct-11','Code Change','Completed'),

(401,7008,'06-Oct-11','16-Oct-11','Testing','Completed'),

(401,7007,'06-Oct-11','22-Oct-11','Documentation','Completed'),

(401,7011,'22-Oct-11','31-Oct-11','Sign off','Completed'),

(402,7010,'01-Aug-11','20-Aug-11','System Analysis','Completed'),

(402,7002,'22-Aug-11','30-Sep-11','System Design','Completed'),

(402,7004,'01-Oct-11',' ','Coding','In Progress')

#Query to change the database name from Master to IT\_Firm

USE IT\_Firm

GO