**ICIC Bank Management (MySQL Project)**

**HARISH REWATKAR**

**#CREATION OF DATABASE**

**CREATE DATABASE** ICIC ;

**USE** ICIC ;

**# CREATE ACCOUNT TYPE TABLE**

**CREATE TABLE** Account\_type (

Account\_no INT, Type\_Account VARCHAR (20), Manager\_id INT, Department\_name VARCHAR (20), Opening\_Date DATE, **Primary key** (Account\_no) ) ;

**# INSERT THE VALUES IN THE TABLE**

**SELECT** \* **FROM** Account\_type ;

**INSERT INTO** Account\_type (

Account\_no, Type\_account, Manager\_id, Department\_name, Opening\_date) **VALUES** (12345, 'Saving', 20, 'Account', '2003-04-23'), (67899, 'loan', 21, 'Loan', '2004-05-24'), (10112, 'Saving', 22, 'HR', '2006-01-04'), (13145, 'loan', 23, 'Admin', '2003-04-23'), (15167, 'current', 24, 'Sales', '2004-05-24'), (18190, 'business', 25, 'Security', '2006-01-04'), (20210, 'Loan', 26, 'Account', '2003-04-23'), (22230, 'Saving', 27, 'Loan', '2004-05-24'), (24250, 'Loan', 28, 'HR', '2006-01-04'), (26270, 'current', 29, 'Admin', '2003-04-23');

**# CREATE DEPARTMENT TABLE**

**CREATE TABLE** Department (

Department\_id INT, Department\_name VARCHAR (30), Manager\_id INT, Employee\_id INT, Account\_no INT, **Primary key** (Department\_id), **Foreign key** (Account\_no) **REFERENCES** Account\_type(Account\_no) **ON DELETE CASCADE)** ;

**# INSERT THE VALUES IN THE TABLE**

**SELECT \* FROM** Department ;

**INSERT INTO** Department (

Department\_id, Department\_name, Manager\_id, Employee\_id, Account\_no) **VALUES** (1,'Account',20,'50','12345'), (8,'Loan',21,'51','67899'), (11,'HR',22,'52','10112'), (16,'Admin',23,'53','13145'), (19,'Sales',24,'54','15167'), (21,'Security',25,'55','18190');

**# CREATE BANK DETAILS TABLE**

**CREATE TABLE** Bank\_details (

Branch\_code INT, Address VARCHAR (20), Branch\_name VARCHAR (20), State VARCHAR (20), Department\_id INT, **Primary key** (Branch\_code), **Foreign key** (Department\_id) **REFERENCES** Department (Department\_id) **ON DELETE CASCADE**) ;

**# INSERT THE VALUES IN THE TABLE**

**SELECT** \* **FROM** Bank\_details ;

**INSERT INTO** Bank\_details (

Branch\_code, Address, Branch\_name, State, Department\_id) **VALUES** (100,'Nagpur','ICIC\_N','Maharashtra',1), (101,'Pune','ICIC\_P','Maharashtra',1), (102,'Mumbai','ICIC\_M','Maharashtra',1), (103,'Delhi','ICIC\_D','Delhi',1), (104,'Mumbai','ICIC\_M','Maharashtra',1), (105,'Delhi','ICIC\_D','Delhi',1), (106,'Nagpur','ICIC\_N','Maharashtra',1), (107,'Pune','ICIC\_P','Maharashtra',8), (108,'Mumbai','ICIC\_M','Maharashtra',8), (109,'Nagpur','ICIC\_N','Maharashtra',8), (110,'Pune','ICIC\_N','Maharashtra',11), (111,'Mumbai','ICIC\_N','Maharashtra',11), (112,'Delhi','ICIC\_N','Delhi',11), (113,'Nagpur','ICIC\_N','Maharashtra',11), (114,'Pune','ICIC\_N','Maharashtra',11), (115,'Mumbai','ICIC\_N','Maharashtra',16), (116,'Nagpur','ICIC\_N','Maharashtra',16), (117,'Pune','ICIC\_N','Maharashtra',16), (118,'Mumbai','ICIC\_N','Maharashtra',19), (119,'Delhi','ICIC\_N','Delhi',19), (120,'Pune','ICIC\_N','Maharashtra',21);

**# CREATE JOB DETAILS TABLE**

**CREATE TABLE** Job\_details (

Job\_id VARCHAR (20), Department\_id INT, Branch\_code INT, **Primary key** (job\_id), **Foreign key** (Department\_id) **REFERENCES** Department (Department\_id) **ON DELETE CASCADE**, **Foreign key** (Branch\_code) **REFERENCES** Bank\_details (Branch\_code) **ON DELETE CASCADE** );

**# INSERT THE VALUES IN THE TABLE**

**SELECT** \* **FROM** Job\_details ;

**INSERT INTO** Job\_details (

Job\_id, Department\_id,Branch\_code) VALUES ('ST\_CLERK', 1, 101), ('ST\_MAN', 8, 108), ('FI\_ACCOUNT', 11, 113), ('SA\_REP', 19, 118);

**# CREATE EMPLOYEES TABLE**

**CREATE TABLE** Employees (

Employee\_id int, First\_name varchar (20), Department\_id int, Manager\_id int, Job\_id varchar (20), Email varchar (20), Hire\_Date date, Phone\_no varchar (20), Salary int,

**Primary key** (Employee\_id), **Foreign key** (Department\_id) **REFERENCES** Department (Department\_id) **ON DELETE CASCADE**, **Foreign key** (Job\_id) **REFERENCES** Job\_details (job\_id) **ON DELETE CASCADE** ) ;

**# INSERT THE VALUES IN THE TABLE**

**SELECT** \* **FROM** Employees ;

**INSERT INTO** Employees (

Employee\_id, First\_name, Department\_id, Manager\_id, Job\_id, EMail, Hire\_date, Phone\_no, Salary) **VALUES** (50,'Samuel',1,20,'ST\_CLERK','SMCCAIN','2007-11-23','650.505.1876',3800), (51,'Allan',8,21,'ST\_CLERK','SSEWALL','2004-01-30','650.505.2876',3600), (52,'Irene',11,22,'ST\_CLERK','SSTILES','2004-03-04','650.505.3876',2900), (53,'Kevin',16,23,'ST\_CLERK','STOBIAS','2004-08-01','650.505.4876',2500), (54,'Julia',19,24,'ST\_CLERK','SVOLLMAN','2005-03-10','650.501.1876',4000), (55,'Donald',21,25,'ST\_CLERK','TFOX','2005-12-15','650.501.2876',3900), (56,'Christopher',1,26,'ST\_CLERK','TGATES','2006-11-03','650.501.3876',3200), (57,'TJ',8,27,'ST\_MAN','TJOLSON','2005-11-11','650.501.4876',2800), (58,'Lisa',11,28,'ST\_MAN','TRAJS','2007-03-19','650.507.9811',3100), (59,'Karen',16,29,'ST\_MAN','VJONES','2008-01-24','650.507.9822',3000), (60,'Valli',19,30,'ST\_MAN','VPATABAL','2008-02-23','650.507.9833',2600), (61,'Joshua',21,31,'ST\_MAN','WGIETZ','2003-05-01','650.507.9844',6400), (62,'Randall',1,32,'FI\_ACCOUNT','WSMITH','2005-10-10','515.123.4444',6200), (63,'Hazel',8,33,'FI\_ACCOUNT','WTAYLOR','2007-11-16','515.123.5555',11500), (64,'Luis',11,34,'FI\_ACCOUNT','JNAYER','2005-07-16','603.123.6666',10000), (65,'Trenna',16,35,'FI\_ACCOUNT','JPATEL','2006-09-28','515.123.7777',9600), (66,'Den',19,36,'FI\_ACCOUNT','JRUSSEL','2007-01-14','515.123.8888',7400), (67,'Michael',21,37,'SA\_REP','JSEO','2008-03-08','515.123.8080',7300), (68,'John',1,38,'SA\_REP','JTAYLOR','2005-08-20','011.44.1346.329268',6100), (69,'Nandita',8,39,'SA\_REP','JWHALEN','2005-10-30','011.44.1346.529268',11000), (70,'Ismael',11,40,'SA\_REP','KCHUNG','2005-02-16','011.44.1346.52',8800);

**# CREATE CUSTOMER TABLE**

**CREATE TABLE** Customer (

Account\_No int,

First\_Name varchar (20),

City varchar (20),

Branch\_code int,

Employee\_id int,

Phone\_no varchar (20),

ATM\_no int unique,

Exp\_date date,

Pin\_No int unique,

**Primary key** (Account\_no),

**Foreign key** (Branch\_code) **REFERENCES** bank\_details (Branch\_code) **ON DELETE CASCADE**,

**Foreign key** (Employee\_id) **REFERENCES** Employees (Employee\_id) **ON DELETE CASCADE**

);

**# INSERT THE VALUES IN THE TABLE**

**SELECT** \* **FROM** Customer ;

**INSERT INTO** Customer(

Account\_no, First\_name, City, Branch\_code, Employee\_id, Phone\_no, ATM\_no, Exp\_date, Pin\_no) **VALUES**(12345,'Samuel','Nagpur',100,50,'650.505.1876',423705689,'2006-04-23',5689), (67899,'Allan','Pune',101,51,'650.505.2876',423568971,'2007-05-24',8971), (10112,'Irene','Mumbai',102,52,'650.505.3876',423432253,'2008-01-04',12253), (13145,'Kevin','Delhi',103,53,'650.505.4876',423295535,'2006-01-24',15535), (15167,'Julia','Mumbai',104,54,'650.501.1876',423158817,'2006-02-23',18817), (18190,'Donald','Delhi',105,55,'650.501.2876',423022099,'2007-06-21',22099), (20210,'Christopher','Nagpur',106,56,'650.501.3876',422885381,'2008-02-03',25381), (22230,'TJ','Pune',107,57,'650.501.4876',422748663,'2004-01-27',28663), (24250,'Lisa','Mumbai',108,58,'650.507.9811',422611945,'2005-02-20',31945), (26270,'Karen','Nagpur',109,59,'650.507.9822',422475227,'2006-06-24',35227), (28290,'Valli','Pune',110,60,'650.507.9833',422338509,'2007-02-07',38509), (30310,'Joshua','Mumbai',111,61,'650.507.9844',422201791,'2008-01-13',41791), (32330,'Randall','Delhi',112,62,'515.123.4444',422065073,'2003-09-17',45073), (34350,'Hazel','Nagpur',113,63,'515.123.5555',421928355,'2004-02-17',48355), (36370,'Luis','Pune',114,64,'603.123.6666',421791637,'2005-08-17',51637), (38390,'Trenna','Mumbai',115,65,'515.123.7777',421654919,'2002-06-07',54919), (40410,'Den','Nagpur',116,66,'515.123.8888',421518201,'2002-06-07',58201), (42430,'Michael','Pune',117,67,'515.123.8080',421381483,'2002-06-07',61483), (44450,'John','Mumbai',118,68,'011.44.1346.329268',421244765,'2002-06-07',64765), (46470,'Nandita','Delhi',119,69,'011.44.1346.529268',421108047,'2008-04-21',68047), (48490,'Ismael','Pune',120,70,'011.44.1346.52',420971329,'2005-03-11',71329);