**Designation Master**

CREATE TABLE designation\_master(

Design\_Code NUMBER(3) PRIMARY KEY,

Design\_Name VARCHAR2(50) UNIQUE);

INSERT INTO designation\_master VALUES(101,'HOD');

INSERT INTO designation\_master VALUES(102,'Professor');

INSERT INTO designation\_master VALUES(103,'Reader');

INSERT INTO designation\_master VALUES(104,'Sr.Lecturer');

INSERT INTO designation\_master VALUES(105,'Lecturer');

INSERT INTO designation\_master VALUES(106,'Director');

**Department Master**

CREATE TABLE department\_master(

Dept\_code NUMBER(2) PRIMARY KEY,

Dept\_Name VARCHAR2(50) UNIQUE);

INSERT INTO department\_master VALUES(10,'Computer Science');

INSERT INTO department\_master VALUES(20,'Electricals');

INSERT INTO department\_master VALUES(30,'Electronics');

INSERT INTO department\_master VALUES(40,'Mechanics');

INSERT INTO department\_master VALUES(50,'Robotics');

**Student Master**

CREATE TABLE student\_master(

Student\_Code NUMBER(6) PRIMARY KEY,

Student\_Name VARCHAR2(50) NOT NULL,

Dept\_Code NUMBER(2) REFERENCES department\_master(dept\_code),

Student\_Dob DATE,

Student\_Address VARCHAR2(240));

INSERT INTO student\_master VALUES(1001,'Amit',10,'11-Jan-80','chennai');

INSERT INTO student\_master VALUES(1002,'Ravi',10,'1-Nov-81','New Delhi');

INSERT INTO student\_master VALUES(1003,'Ajay',20,'13-Jan-82',null);

INSERT INTO student\_master VALUES(1004,'Raj',30,'14-Jan-79','Mumbai');

INSERT INTO student\_master VALUES(1005,'Arvind',40,'15-Jan-83','Bangalore');

INSERT INTO student\_master VALUES(1006,'Rahul',50,'16-Jan-81','Delhi');

INSERT INTO student\_master VALUES(1007,'Mehul',20,'17-Jan-82','Chennai');

INSERT INTO student\_master VALUES(1008,'Dev',10,'11-Mar-81','Bangalore');

INSERT INTO student\_master VALUES(1009,'Vijay',30,'19-Jan-80','Bangalore');

INSERT INTO student\_master VALUES(1010,'Rajat',40,'20-Jan-80','Bangalore');

INSERT INTO student\_master VALUES(1011,'Sunder',50,'21-Jan-80','Chennai');

INSERT INTO student\_master VALUES(1012,'Rajesh', 30,'22-Jan-80',null);

INSERT INTO student\_master VALUES(1013,'Anil',20,'23-Jan-80','Chennai');

INSERT INTO student\_master VALUES(1014,'Sunil',10,'15-Feb-85', null);

INSERT INTO student\_master VALUES(1015,'Kapil',40,'18-Mar-81','Mumbai');

INSERT INTO student\_master VALUES(1016,'Ashok',40,'26-Nov-80',null);

INSERT INTO student\_master VALUES(1017,'Ramesh',30,'27-Dec-80',null);

INSERT INTO student\_master VALUES(1018,'Amit Raj',50,'28-Sep-80','New Delhi');

INSERT INTO student\_master VALUES(1019,'Ravi Raj',50,'29-May-81','New Delhi');

INSERT INTO student\_master VALUES(1020,'Amrit',10,'11-Nov-80',null);

INSERT INTO student\_master VALUES(1021,'Sumit',20,'1-Jan-80','Chennai');

**Student Marks**

CREATE TABLE Student\_Marks(

Student\_Code NUMBER (6) REFERENCES student\_master(student\_code),

Student\_Year NUMBER not null,

Subject1 NUMBER (3),

Subject2 NUMBER (3),

Subject3 NUMBER (3));

INSERT INTO student\_marks VALUES(1001, 2010, 55,45,78);

INSERT INTO student\_marks VALUES(1002, 2010, 66,74,88);

INSERT INTO student\_marks VALUES(1003, 2010, 87,54,65);

INSERT INTO student\_marks VALUES(1004, 2010, 65,64,90);

INSERT INTO student\_marks VALUES(1005, 2010, 78,88,65);

INSERT INTO student\_marks VALUES(1006, 2010, 65,86,54);

INSERT INTO student\_marks VALUES(1007, 2010, 67,79,49);

INSERT INTO student\_marks VALUES(1008, 2010, 72,55,55);

INSERT INTO student\_marks VALUES(1009, 2010, 71,59,58);

INSERT INTO student\_marks VALUES(1010, 2010, 68,44,92);

INSERT INTO student\_marks VALUES(1011, 2010, 89,96,78);

INSERT INTO student\_marks VALUES(1012, 2010, 78,56,55);

INSERT INTO student\_marks VALUES(1013, 2010, 75,58,65);

INSERT INTO student\_marks VALUES(1014, 2010, 73,74,65);

INSERT INTO student\_marks VALUES(1015, 2010, 66,45,74);

INSERT INTO student\_marks VALUES(1016, 2010, 68,78,74);

INSERT INTO student\_marks VALUES(1017, 2010, 69,44,52);

INSERT INTO student\_marks VALUES(1018, 2010, 65,78,56);

INSERT INTO student\_marks VALUES(1019, 2010, 78,58,74);

INSERT INTO student\_marks VALUES(1020, 2010, 45,55,65);

INSERT INTO student\_marks VALUES(1021, 2010, 78,79,78);

Data to be repeated for 2 more years

**Staff Master**

CREATE TABLE staff\_master(

Staff\_Code number(8) PRIMARY KEY,

Staff\_Name varchar2(50) NOT NULL,

Design\_Code REFERENCES designation\_master(design\_code),

Dept\_Code references department\_master(dept\_code),

Staff\_dob DATE,

Hiredate DATE,

Mgr\_code NUMBER(8),

Staff\_sal NUMBER (10,2),

Staff\_address VARCHAR2(240));

INSERT INTO staff\_master

VALUES(100001,'Arvind',102,30,'15-Jan-80','15-Jan-03',100006,17000,'Bangalore');

INSERT INTO staff\_master

VALUES(100002,'Shyam',102,20,'18-Feb-80','17-Feb-02',100007,20000, 'Chennai');

INSERT INTO staff\_master

VALUES(100003,'Mohan',102,10,'23-Mar-80','19-Jan-02',100006,24000,'Mumbai');

INSERT INTO staff\_master

VALUES(100004,'Anil',102,20,'22-Apr-77','11-Mar-01',100006,20000,'Hyderabad');

INSERT INTO staff\_master

VALUES(100005,'John',106,10,'22-May-76','21-Jan-01',100007,32000,'Bangalore');

INSERT INTO staff\_master

VALUES(100006,'Allen',103,30,'22-Jan-80','23-Apr-01',100005,42000,'Chennai');

INSERT INTO staff\_master

VALUES(100007,'Smith',103,20,'19-Jul-73','12-Mar-02',100005,62000,'Mumbai');

INSERT INTO staff\_master

VALUES(100008,'Raviraj',102,40,'17-Jun-80','11-Jan-03',100006,18000,'Bangalore');

INSERT INTO staff\_master

VALUES(100009,'Rahul',102,20,'16-Jan-78','11-Dec-03',100006,22000,'Hyderabad');

INSERT INTO staff\_master

VALUES(100010,'Ram',103,30,'17-Jan-79','17-Jan-02',100007,32000,'Bangalore');

**Book Master**

CREATE TABLE book\_master(

Book\_code NUMBER(10) PRIMARY KEY,

Book\_name VARCHAR2(50) NOT NULL,

Book\_pub\_year NUMBER,

Book\_pub\_author VARCHAR2 (50) NOT NULL);

INSERT INTO book\_master VALUES(10000001,'Let Us C++',2000,'Yashavant Kanetkar');

INSERT INTO book\_master VALUES(10000002,'Mastering VC++',2005,'P.J Allen');

INSERT INTO book\_master VALUES(10000003,'JAVA Complete Reference',2004,'H.Schild');

INSERT INTO book\_master VALUES(10000004,'J2EE Complete Reference',2000,'H. Schild');

INSERT INTO book\_master VALUES(10000005,'Relational DBMS',2000,'B.C. Desai');

INSERT INTO book\_master VALUES(10000006,'Let Us C',2000, 'Yashavant Kanetkar');

INSERT INTO book\_master VALUES(10000007,'Intoduction To Algorithams',2001,'Cormen');

INSERT INTO book\_master VALUES(10000008,'Computer Networks',2000,'Tanenbaum');

INSERT INTO book\_master VALUES(10000009,'Introduction to O/S',2001,'Millan');

**Book Transaction**

CREATE TABLE book\_transaction(

Book\_code NUMBER(10) REFERENCES book\_master(Book\_code),

Student\_code NUMBER(6) REFERENCES student\_master(student\_code),

Staff\_code number(8) REFERENCES staff\_master(staff\_code),

Book\_issue\_Date date not null,

Book\_expected\_return\_date date not null,

Book\_actual\_return\_date date);

INSERT INTO book\_transaction

VALUES(10000006,1012,NULL,'02-Feb-2011','09-Feb-2011',NULL);

INSERT INTO book\_transaction

VALUES(10000008,NULL,100006,'10-Mar-2011','17-Mar-2011','15-Mar-2011');

INSERT INTO book\_transaction

VALUES(10000009,NULL,100010,'01-Apr-2011','08-Apr-2011','10-Apr-2011');

INSERT INTO book\_transaction

VALUES(10000004,1015,NULL,'12-Feb-2011','19-Feb-2011',NULL);

INSERT INTO book\_transaction

VALUES(10000005,NULL,100007,'14-Mar-2011','21-Mar-2011','21-Mar-2011');

INSERT INTO book\_transaction

VALUES(10000007,NULL,100007,'01-Apr-2011','07-Apr-2011','06-Apr-2011');