



Assignment – 1.3

1. Create parent table called as STUDENT_INFO

STUD_INFO (Parent Table)		
COLUMN	DATA TYPE (SIZE)	CONSTRAINT
ROLL_NO	NUMBER	PRIMARYKEY
STUD_NAME	VARCHAR2(30)	NOT NULL
MOBILE	VARCHAR2(15)	UNIQUE
EMAIL	VARCHAR2(30)	UNIQUE
GENDER	CHAR(1)	'M'/'F'/'m'/'f'
COURSE	VARCHAR2(10)	CHECK (COURSE IN ('PREDAC','DAC'))

2. Create child table with name

STUD_MARKS (Child Table)		
COLUMN	DATA TYPE (SIZE)	CONSTRAINT
ROLLNO	NUMBER	FOREIGN KEY Constraint Name:= SM_ROLLNO_FK
SUBJECT	VARCHAR2(15)	
THEORY	NUMBER(2)	1 – 50 Use check constraint
PRACTICAL	NUMBER(2)	1 – 40 Use check constraint
INTERNAL	NUMBER(2)	1 – 10 Use check constraint

3. Perform following operations on above table

A. Insert 4 rows in STUD_INFO table

ROLL NO	STUD_NAME	MOBILE	EMAIL	GENDER	COURSE
101	SANTA SINGH	NULL	santa@yahoo.com	M	DAC
102	BANTA SINGH	NULL	NULL	M	PREDAC
103	MERCY	9860987609	mercy124@yahoo.com	F	PREDAC
104	POOJA	NULL	pooja@hotmail.com	F	DAC



B. Insert following rows STUD_MARKS

ROLL NO	SUBJECT	THEORY	PRACTICAL	INTERNAL
101	C++	31	37	7
101	DBT	33	30	8
101	OS	30	28	9
102	C	27	27	6
103	C	27	27	6
104	C	20	20	5
NULL	C	NULL	NULL	NULL

C. Insert a row in STUD_MARKS

ROLL NO	SUBJECT	THEORY	PRACTICAL	INTERNAL
105	C++	31	37	7

If any errors then note it down

D. Create composite key on ROLLNO & SUBJECT in STUD_MARKS table

E. Try to delete a row from STUD_INFO table where ROLL_NO=102

If any errors then note it down

F. Drop foreign key constraint SM_ROLLNO_FK in STUD_MARKS table

G. Apply foreign key constraint with name SM_ROLLNO_FK for ROLLNO in STUD_MARKS table with ON DELETE SET NULL clause using ALTER TABLE command.

H. Try to delete a row from STUD_INFO table where ROLL_NO=102

If any errors then note it down, if there is no error see the changes in STUD_MARKS table.

I. Drop foreign key constraint SM_ROLLNO_FK in STUD_MARKS table

J. Apply foreign key constraint with name SM_ROLLNO_FK for ROLLNO in STUD_MARKS table with ON DELETE CASCADE clause using ALTER TABLE command

K. Try to delete a row from STUD_INFO table where ROLL_NO=101

L. See the changes in STUD_MARKS table

M. Now try to drop parent table i.e. STUDENT_INFO table

If any errors then note it down & try to find solution