MOD2 Solution

1. Create the following tables as per details mentioned

CREATE TABLE "Sports\_House"

(

"House\_Code" CHAR(5 BYTE),

"House\_Colour" CHAR(6 BYTE) NOT NULL ENABLE,

"House\_Name" CHAR(10 BYTE) NOT NULL ENABLE,

CONSTRAINT "PK\_Sports\_House" PRIMARY KEY ("House\_Code")

);

CREATE TABLE "Students"

(

"Student\_ID" CHAR(6 BYTE),

"First\_Name " CHAR(50 BYTE) NOT NULL ENABLE,

"Last\_Name " CHAR(50 BYTE) NOT NULL ENABLE,

"Gender" VARCHAR2(1 BYTE) CHECK ("Gender" in('M','F')),

CONSTRAINT "PK\_Students" PRIMARY KEY ("Student\_ID")

) ;

CREATE TABLE "Roll\_Class"

(

"Roll\_Class\_Code" CHAR(10 BYTE),

"Roll\_Class\_Standard" NUMBER(2),

"Roll\_Class\_Division" VARCHAR2(1 BYTE),

Roll\_Class\_Year VARCHAR2(4 BYTE) DEFAULT '2012',

CONSTRAINT "PK\_Roll\_Class" PRIMARY KEY ("Roll\_Class\_Code")

) ;

CREATE TABLE "Student\_Roll\_details"

(

"Student\_ID" CHAR(6 BYTE),

"Roll\_Class\_Code" CHAR(10 BYTE),

CONSTRAINT "FK\_Students" FOREIGN KEY ("Student\_ID") REFERENCES "Students"("Student\_ID" ),

CONSTRAINT "FK\_Roll\_Class" FOREIGN KEY ("Roll\_Class\_Code") REFERENCES "Roll\_Class"("Roll\_Class\_Code" )

) ;

1. Alter the Students table to add DOB column with Date datatype.

ALTER TABLE "Students"

ADD "DOB" Date;

1. Modify the size of House name column to 20 characters long.

ALTER TABLE "Sports\_House"

MODIFY ("House\_Name" CHAR(20 BYTE)) ;

1. Modify the Students table add House\_code column as foreign key references to Sports\_house table House\_code column.

ALTER TABLE "Students"

ADD "House\_code" CHAR(5 BYTE);

alter table "DB\_USER3"."Students" add constraint FK\_House\_code foreign key("House\_code") references "Sports\_House"("House\_Code")

1. Rename table Student\_Roll\_details to std\_roll\_details

RENAME "Student\_Roll\_details" TO "Std\_Roll\_details"