Library Table

create table library(

Library_id number(20),

Library_name varchar2(100)constraint library_name_nn not null,

Books_name varchar2(50),

Location varchar2(20)constraint location_nn not null,

Capacity number(10)

)

Alter table library add constraint aa1 primary key (library_id)

create sequence library_seq

    increment by 1

    start with 1021

    maxvalue 100000

insert into library (Library_id,Library_name,Books_name,Location,Capacity) values (library_seq.nextval,'Library of Congress','illuminater','Washington',1000)

insert into library (Library_id,Library_name,Books_name,Location,Capacity) values (library_seq.nextval,'Ta_juddin','Ted_talks','Central_library',2000)

insert into library (Library_id,Library_name,Books_name,Location,Capacity) values (library_seq.nextval,'Saya_nazrul','When_to_jump','Modhur_canteen',3000)

insert into library (Library_id,Library_name,Books_name,Location,Capacity) values (library_seq.nextval,'M_mounsur_ali','After_the_prophet','Hakim_chottor',2500)

insert into library (Library_id,Library_name,Books_name,Location,Capacity) values (library_seq.nextval,'M_Kamruzzaman','The_decision_book','Paris_road',1500)

desc library

select*

from library

Department Table

create table Department(

  Department_id number(20),

  Department_name varchar2(20)constraint Department_name_nn not null,

  No_of_program number(10)

)

Alter table department add constraint bb1 primary key (Department_id)

create sequence Department_seq

    increment by 1

    start with 2001

    maxvalue 100000

insert into Department (Department_id,Department_name, No_of_program) values (Department_seq.nextval,'CSE',148)

insert into Department (Department_id,Department_name, No_of_program) values (Department_seq.nextval,'EEE',145)

insert into Department (Department_id,Department_name, No_of_program) values (Department_seq.nextval,'BBA',128)

insert into Department (Department_id,Department_name, No_of_program) values (Department_seq.nextval,'ECONOMICS',130)

insert into Department (Department_id,Department_name, No_of_program) values (Department_seq.nextval,'ENGLISH',125)

desc Department

select*

from department

Student Table

create table Student(

 Student_id int constraint student_id_pk primary key,

 First_name varchar2(25)constraint first_name_student_nn not null,

 Last_name varchar2(25)constraint last_name_student_nn not null,

 Address varchar2(30),

 Department_id int constraint Department_id_student_fk references Department(Department_id)

)

create sequence Student_seq

    increment by 1

    start with 1111

    maxvalue 100000

insert into Student(Student_id,first_name,last_name,Address,Department_id) values (Student_seq.nextval,'Shaheen Alam','Jony','Banani',2001)

insert into Student(Student_id,first_name,last_name,Address,Department_id) values (Student_seq.nextval,'Ritu','Basak','Basundhara R/A',2002)

insert into Student(Student_id,first_name,last_name,Address,Department_id) values (Student_seq.nextval,'Junak','Priya','Mirpur',2003)

insert into Student(Student_id,first_name,last_name,Address,Department_id) values (Student_seq.nextval,'Suraiya','Shuvra','Uttara',2004)

insert into Student(Student_id,first_name,last_name,Address,Department_id) values (Student_seq.nextval,'Nusrat','Labonno','Dhanmondi',2005)

desc Student

select *

from student

Course Table

create table Course(

 course_id int constraint course_id_pk primary key,

 Course_name varchar2(25)constraint course_name_course_nn not null,

 Department_id int constraint Department_id_course_fk references Department(Department_id)

)

create sequence course_seq

    increment by 2

    start with 50001

    maxvalue 100000

insert into course(course_id,course_name,Department_id) values (course_seq.nextval,'Advance WebTech',2002)

insert into course(course_id,course_name,Department_id) values (course_seq.nextval,'Advance .Net',2003)

insert into course(course_id,course_name,Department_id) values (course_seq.nextval,'Data Structure',2004)

insert into course(course_id,course_name,Department_id) values (course_seq.nextval,'Java',2005)

insert into course(course_id,course_name,Department_id) values (course_seq.nextval,'Advance Database,2001)

desc Course

 select *

 from course

Faculty Table

create table Faculty(

Faculty_id number(20),

Faculty_name varchar2(100)constraint faculty_name_ww not null,

Passport_no varchar2(20)

)

Alter table faculty add constraint ee1 primary key (faculty_id)

create sequence faculty_seq1

    increment by 1

    start with 6001

    maxvalue 100000

insert into faculty(faculty_id,faculty_name,passport_no) values (faculty_seq.nextval,'Rezwan Ahmed','ba--19562376')

insert into faculty(faculty_id,faculty_name,passport_no) values (faculty_seq.nextval,'Md. Nazmul Hossain','bb--37343672')

insert into faculty(faculty_id,faculty_name,passport_no) values (faculty_seq.nextval,'Rasidul Hasan Nabil','aa--672827822')

insert into faculty(faculty_id,faculty_name,passport_no) values (faculty_seq.nextval,'Md. Kishor Morol','ga--982876328')

insert into faculty(faculty_id,faculty_name,passport_no) values (faculty_seq.nextval,'Juena Nowsin','yy--8382728969')

desc faculty

select *

from faculty

Faculty Contact Table

```
create table Faculty_contract(

Faculty_id number(20),

Contract_no varchar2(100)constraint contract_no_ii not null

)


Alter table faculty_contract add constraint uu1 primary key (faculty_id)


create sequence faculty_contract_seq

    increment by 1

    start with 6001

    maxvalue 100000


insert into faculty_contract( faculty_id,contract_no) values
(faculty_contract_seq.nextval,'ahmed.rezwan@aiub.edu')

insert into faculty_contract( faculty_id,contract_no) values
(faculty_contract_seq.nextval,'nazmul@aiub.edu')

insert into faculty_contract( faculty_id,contract_no) values
(faculty_contract_seq.nextval,'nabil@aiub.edu')

insert into faculty_contract( faculty_id,contract_no) values
(faculty_contract_seq.nextval,'juena@aiub.edu')

insert into faculty_contract( faculty_id,contract_no) values
(faculty_contract_seq.nextval,'nowshin@aiub.edu')


desc  Faculty_contract


select *

from faculty_contract
```

Faculty Information Table

create table Faculty_information(

Passport_no varchar2(50),

City varchar2(100)constraint city_no_ii not null,

Country varchar2(50)

)

Alter table faculty_information add constraint xy1 primary key (passport_no)

insert into faculty_information(passport_no,city,country) values ('ba--19562376','DHAKA','BANGLADESH')

insert into faculty_information(passport_no,city,country) values ('bb--37343672','CHOTTOGRAM','BANGLADESH')

insert into faculty_information(passport_no,city,country) values ('aa--672827822','SYLHET','BANGLADESH')

insert into faculty_information(passport_no,city,country) values ('ga--982876328','RANGPUR','BANGLADESH')

insert into faculty_information(passport_no,city,country) values ('yy--8382728969','SYDNEY','AUSTRALIA')

desc Faculty_information

select *

from faculty_information

Information Table

```
create table information (

New_id int constraint new_id_pk primary key,

library_id int,

student_id int,

foreign key (library_id) references library(library_id),

foreign key (student_id) references student(student_id)

)

create sequence information_seq1

        increment by 1

        start with 0001

        maxvalue 100000


insert into information( new_id,library_id,student_id) values (information_seq.nextval,'1021','1111')

insert into information( new_id,library_id,student_id) values (information_seq.nextval,'1022','1112')

insert into information( new_id,library_id,student_id) values (information_seq.nextval,'1023','1113')

insert into information( new_id,library_id,student_id) values (information_seq.nextval,'1024','1114')

insert into information( new_id,library_id,student_id) values (information_seq.nextval,'1025','1115')


desc information


select *

from information
```

Student Information Table

create table student_information(

Student_id number(20),

Email_no varchar2(100)constraint email_no_student_un unique

)

Alter table student_information add constraint dg1 primary key (student_id)

create sequence Student_information_seq

    increment by 1

    start with 1111

    maxvalue 100000

insert into student_information (student_id,Email_no) values (Student_information_seq.nextval,'jony@gmail.com')

insert into student_information (student_id,Email_no) values (Student_information_seq.nextval,'ritubsk@gmail.com')

insert into student_information (student_id,Email_no) values (Student_information_seq.nextval,'priya@gmail.com')

insert into student_information (student_id,Email_no) values (Student_information_seq.nextval,'shuvra@gmail.com')

insert into student_information (student_id,Email_no) values (Student_information_seq.nextval,'labonna@gmail.com')

desc student_information

select *

from student_information

Course Information Table

```
create table course_information(

Course_id number(20),

Section varchar2(100)constraint section_course_information_un unique

)


Alter table course_information add constraint df1 primary key (course_id)


create sequence course_information_seq

    increment by 2

    start with 50001

    maxvalue 100000


insert into course_information ( course_id,section) values (course_information_seq.nextval,'DD9091-A')

insert into course_information ( course_id,section) values (course_information_seq.nextval,'DD9092-B')

insert into course_information ( course_id,section) values (course_information_seq.nextval,'DD9093-C')

insert into course_information ( course_id,section) values (course_information_seq.nextval,'DD9094-D')

insert into course_information ( course_id,section) values (course_information_seq.nextval,'DD9095-E')


desc course_information


Select *

from  course_information
```

Information_1 Table

create table information_1 (

New_id_1 int constraint new_id_1_pk primary key,

student_id int,

course_id int,

foreign key (student_id) references student(student_id),

foreign key (course_id) references course(course_id)

)

create sequence student_id_seq

    increment by 1

    start with 1111

    maxvalue 100000

create sequence course_id_seq

    increment by 2

    start with 50001

    maxvalue 100000

insert into information_1(new_id_1,student_id,course_id) values (9091,student_id_seq.nextval,course_id_seq.nextval)

insert into information_1(new_id_1,student_id,course_id) values (9092,student_id_seq.nextval,course_id_seq.nextval)

insert into information_1(new_id_1,student_id,course_id) values (9093,student_id_seq.nextval,course_id_seq.nextval)

insert into information_1(new_id_1,student_id,course_id) values (9094,student_id_seq.nextval,course_id_seq.nextval)

insert into information_1(new_id_1,student_id,course_id) values (9095,student_id_seq.nextval,course_id_seq.nextval)

desc information_1

select * from information_1