**Table name: manager**

create table manager(

man\_id int default next value for manager\_sq primary key,

man\_name varchar(50) NOT NULL,

man\_email varchar(50) NOT NULL UNIQUE,

man\_address varchar(50) NOT NULL,

man\_salary numeric(20) NOT NULL,

b\_id numeric(20) NOT NULL)

USE gym\_management\_system

GO

ALTER TABLE manager ALTER COLUMN man\_id INT NOT NULL;

GO

ALTER TABLE manager ADD constraint q30 PRIMARY KEY (man\_id);

GO

ALTER TABLE manager ALTER COLUMN b\_id INT NOT NULL;

GO

alter table manager add constraint q28 foreign key(b\_id) references branch(b\_id)

GO

**sequence:**

create sequence manager\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**Insertion:**

insert into manager(man\_id,man\_name,man\_email,man\_address,man\_salary,b\_id) values(next value for manager\_sq,'Ariyan','ariyan@gmail.com','Mirpur',12000,1)

insert into manager(man\_id,man\_name,man\_email,man\_address,man\_salary,b\_id) values(next value for manager\_sq,'Raihan','raihan@gmail.com','Panthopath',13000,2)

insert into manager(man\_id,man\_name,man\_email,man\_address,man\_salary,b\_id) values(next value for manager\_sq,'Rafi','rafi@gmail.com','Uttara',13500,3)

insert into manager(man\_id,man\_name,man\_email,man\_address,man\_salary,b\_id) values(next value for manager\_sq,'Talat','Talat@gmail.com','Dhanmondi',14500,4)

insert into manager(man\_id,man\_name,man\_email,man\_address,man\_salary,b\_id) values(next value for manager\_sq,'Tanvir','Tanvir@gmail.com','Gulsan',15000,5)

**\*\*Show all the manager name and their branch name.**

select man\_name,b\_name

from manager,branch

where manager.b\_id=branch.b\_id

**Table name: manager\_1**

create table manager\_1(

man\_id int primary key,

man\_phone numeric(20) not null)

ALTER TABLE manager\_1 ALTER COLUMN man\_id INT NOT NULL;

GO

ALTER TABLE manager\_1 ADD constraint q31 PRIMARY KEY (man\_id);

GO

**INSERTION:**

insert into manager\_1 values(100,01860063535)

insert into manager\_1 values(101,01860063545)

insert into manager\_1 values(102,01860063555)

insert into manager\_1 values(103,01860063560)

insert into manager\_1 values(104,01860063570)

**Table name: branch**

create table branch(

b\_id int default next value for branch\_sq primary key,

b\_name varchar(50) not null,

location varchar(50))

ALTER TABLE branch ALTER COLUMN b\_id INT NOT NULL;

GO

alter table branch add constraint q32 primary key(b\_id)

GO

**Sequence:**

create sequence branch\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**insertion:**

insert into branch(b\_id,b\_name,location) values(next value for branch\_sq,'ROYAL FITNESS','Mirpur')

insert into branch(b\_id,b\_name,location) values(next value for branch\_sq,'ABC GYM','Panthopath')

insert into branch(b\_id,b\_name,location) values(next value for branch\_sq,'BODY FUEL','Uttara')

insert into branch(b\_id,b\_name,location) values(next value for branch\_sq,'GREEN GYM','Dhanmondi')

insert into branch(b\_id,b\_name,location) values(next value for branch\_sq,'COMBAT GYM','Gulshan')

**Table name: branch\_1**

create table branch\_1(

b\_id int primary key,

b\_phone numeric(20) not null)

ALTER TABLE branch\_1 ALTER COLUMN b\_id INT NOT NULL;

GO

alter table branch\_1 add constraint q33 primary key(b\_id,b\_phone)

GO

**insertion:**

insert into branch\_1 values(1,01819215631)

insert into branch\_1 values(2,01819215632)

insert into branch\_1 values(3,01781588645)

insert into branch\_1 values(4,01911513278)

insert into branch\_1 values(5,01726268827)

insert into branch\_1 values(6,01709113134)

**Show all the phone number of the branch whose branch name is ROYAL FITNESS.**

**Ans:**

select b\_name,b\_phone

from branch,branch\_1

where branch.b\_id=branch\_1.b\_id and b\_name='ROYAL FITNESS'

**Table name: trainer**

create table trainer(

t\_id int default next value for trainer\_sq primary key,

t\_name varchar(50) not null,

t\_gender varchar(50),

t\_address varchar(50) not null,

t\_email varchar(50) not null unique,

t\_salary numeric(20) not null,

man\_id numeric(20) not null,

b\_id numeric(20) )

ALTER TABLE trainer ALTER COLUMN t\_id INT NOT NULL;

GO

alter table trainer add constraint q34 primary key(t\_id)

GO

alter table trainer add constraint q27 foreign key(man\_id) references manager(man\_id)

alter table trainer add constraint q47 foreign key(b\_id) references branch(b\_id)

**SEQUENCE:**

create sequence trainer\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**Insertion**

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Dipto','Male','Mirpur','dipto@gmail.com',7000,100,1)

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Mitu','Female','Mohammadpur','mitu@gmail.com',7000,100,1)

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Miraj','Male','Panthopath','miraj@gmail.com',8000,101,2)

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Minhaz','Male','Uttara','minhaz@gmail.com',8500,102,3)

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Tuli','Female','Dhanmondi','tuli@gmail.com',8500,103,4)

insert into trainer(t\_id,t\_name,t\_gender,t\_address,t\_email,t\_salary,man\_id,b\_id) values(next value for trainer\_sq,'Sobuj','Male','Gulshan','sobuj@gmail.com',9000,104,5)

**Table name: trainer\_1**

create table trainer\_1(

t\_id int primary key,

t\_phone numeric(20) not null)

ALTER TABLE trainer\_1 ALTER COLUMN t\_id INT NOT NULL;

GO

alter table trainer\_1 add constraint q35 primary key(t\_id,t\_phone)

GO

**Insertion:**

insert into trainer\_1 values(300,01722334455)

insert into trainer\_1 values(301,01722334466)

insert into trainer\_1 values(302,01722334477)

insert into trainer\_1 values(303,01722334488)

insert into trainer\_1 values(304,01722334499)

insert into trainer\_1 values(305,01722334400)

**Table name: payment**

create table payment(

p\_id int default next value for payment\_sq primary key,

mem\_id numeric(20) not null,

amount numeric(20) not null,

Payment\_date date,

man\_id numeric(20))

ALTER TABLE payment ALTER COLUMN p\_id INT NOT NULL;

GO

alter table payment add constraint q36 primary key(p\_id)

GO

alter table payment add constraint q29 foreign key(man\_id) references manager(man\_id)

**SEQUENCE:**

create sequence payment\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

INSERTION:

insert into payment(p\_id,mem\_id,amount,payment\_date,man\_id) values(next value for payment\_sq,200,8000,'6-JULY-21',100)

insert into payment(p\_id,mem\_id,amount,payment\_date,man\_id) values(next value for payment\_sq,201,9000,'7-JULY-21',101)

insert into payment(p\_id,mem\_id,amount,payment\_date,man\_id) values(next value for payment\_sq,202,9500,'7-JULY-21',102)

insert into payment(p\_id,mem\_id,amount,payment\_date,man\_id) values(next value for payment\_sq,203,9500,'8-JULY-21',103)

insert into payment(p\_id,mem\_id,amount,payment\_date,man\_id) values(next value for payment\_sq,204,10000,'5-JULY-21',104)

**Table name: equipment**

create table equipment(

e\_id int default next value for equipment\_sq primary key,

e\_name varchar(50) not null,

e\_quality varchar(50) not null,

t\_id numeric(20) not null)

ALTER TABLE equipment ALTER COLUMN e\_id INT NOT NULL;

GO

alter table equipment add constraint q37 primary key(e\_id)

GO

alter table equipment add constraint q38 foreign key(t\_id) references trainer(t\_id)

**Sequence:**

create sequence equipment\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**Insertion:**

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'SQUAT RACK','Best',300)

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'BARBELLS','Best',301)

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'BENCH PRESS','Best',302)

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'DUMBBELLS','Good',303)

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'PULLUP BAR','Avarage',304)

insert into equipment(e\_id,e\_name,e\_quality,t\_id) values(next value for equipment\_sq,'LAT PULLDOWN MACHINE','Good',305)

**Table name: member**

create table member(

mem\_id int default next value for member\_sq primary key,

mem\_name varchar(30) not null,

mem\_address varchar(30) not null,

mem\_gender varchar(20) not null,

mem\_email varchar(30) not null unique,

man\_id numeric(20),

p\_id numeric(20) not null,

t\_id numeric(20),

b\_id numeric(20) not null)

ALTER TABLE member ALTER COLUMN mem\_id INT NOT NULL;

GO

alter table member add constraint q39 primary key(mem\_id)

GO

alter table member add constraint q40 foreign key(man\_id) references manager(man\_id)

alter table member add constraint q41 foreign key(p\_id) references payment(p\_id)

alter table member add constraint q42 foreign key(t\_id) references trainer(t\_id)

alter table member add constraint q43 foreign key(b\_id) references branch(b\_id)

**SEQUENCE:**

create sequence member\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**Insertion:**

insert into member(mem\_id,mem\_name,mem\_address,mem\_gender,mem\_email,man\_id,p\_id,t\_id,b\_id) values(next value for member\_sq,'Nahin','Mirpur','Male','nahin@gmail.com',100,400,300,1)

insert into member(mem\_id,mem\_name,mem\_address,mem\_gender,mem\_email,man\_id,p\_id,t\_id,b\_id) values(next value for member\_sq,'Asif','Panthopath','Male','asif@gmail.com',101,401,302,2)

insert into member(mem\_id,mem\_name,mem\_address,mem\_gender,mem\_email,man\_id,p\_id,t\_id,b\_id) values(next value for member\_sq,'Nur','Uttara','Male','nur@gmail.com',102,402,303,3)

insert into member(mem\_id,mem\_name,mem\_address,mem\_gender,mem\_email,man\_id,p\_id,t\_id,b\_id) values(next value for member\_sq,'Risha','Dhanmondi','Female','risha@gmail.com',103,403,304,4)

insert into member(mem\_id,mem\_name,mem\_address,mem\_gender,mem\_email,man\_id,p\_id,t\_id,b\_id) values(next value for member\_sq,'Rabby','Gulshan','Male','rabby@gmail.com',104,404,305,5)

**Table name: member\_1**

create table member\_1(

mem\_id int primary key,

mem\_phone numeric(20) not null)

ALTER TABLE member\_1 ALTER COLUMN mem\_id INT NOT NULL;

GO

alter table member\_1 add constraint q44 primary key(mem\_id,mem\_phone)

GO

INSERTION:

insert into member\_1 values(205,01740874700)

insert into member\_1 values(200,01740874701)

insert into member\_1 values(201,01740874705)

insert into member\_1 values(202,01740874715)

insert into member\_1 values(203,01860874720)

insert into member\_1 values(204,01960874770)

**Table name: program**

create table program(

pro id int default next value for program\_sq primary key,

cost numeric(20) not null,

duration varchar(25),

mem\_id numeric(20))

ALTER TABLE program ALTER COLUMN pro\_id INT NOT NULL;

GO

alter table program add constraint q45 primary key(pro\_id)

GO

alter table program add constraint q46 foreign key(mem\_id) references member(mem\_id)

**SEQUENCE:**

create sequence program\_sq

start with 001

increment by 1

minvalue 1

maxvalue 500

**Insertion:**

insert into program(pro\_id,cost,duration,mem\_id) values(next value for program\_sq,8000,'1H 30M',200)

insert into program(pro\_id,cost,duration,mem\_id) values(next value for program\_sq,9000,'2H',201)

insert into program(pro\_id,cost,duration,mem\_id) values(next value for program\_sq,9500,'2H 30M',202)

insert into program(pro\_id,cost,duration,mem\_id) values(next value for program\_sq,9500,'2H 30M',203)

insert into program(pro\_id,cost,duration,mem\_id) values(next value for program\_sq,9500,'3H',204)