**Final Practical**

**Syed Mubashir Ahmad**

**Roll# SE-19031**

create table hotel031(

hotelno VARCHAR(10) primary key,

hotelname VARCHAR(30),

city VARCHAR(20)

);

create TABLE room031(

roomNo number(10) primary key,

hotelno VARCHAR(10) ,

type VARCHAR(20),

price number(10),

foreign key(hotelno) REFERENCES hotel031(hotelno)

);

create table guest031(

guestNo NUMBER(10) primary key,

guestname varchar(30),

guestaddress varchar(40)

);

create Table booking031(

hotelno VARCHAR(10) primary key,

guestno number(10),

datefrom DATE,

dateto DATE,

roomno number(10),

foreign key(guestno) REFERENCES guest031(guestno),

foreign key(roomno) REFERENCES room031(roomno)

);

insert into hotel031 values ('fb01','Grosvenor','London');

insert into hotel031 values ('fb02','Watergate','Paris');

insert into hotel031 values ('ch01','Omni Shoreham','London');

insert into ROOM031 values (501,'fb01','single',19);

insert into ROOM031 values (1001,'fb02','single',58);

insert into ROOM031 values (1101,'ch01','family',59.99);

insert into guest031 values (10001,'John Kay','56 High St, London');

insert into guest031 values (10002,'Mike Ritchie','18 Tain St, London');

insert into BOOKING031 values ('fb01',10001,'04-APR-01','04-APR-08',501);

1. select \* from HOTEL031 where CITY = 'London';
2. select \* from room031 where TYPE='single' AND PRICE < 20;
3. select AVG(price) from ROOM031;
4. select price, type from room031 where hotelno=(select hotelno from hotel031 where hotelname='Grosvenor');
5. select h.roomno, h.hotelno, h.type, h.price, g.guestno, g.guestname from room031 h, guest031 g, BOOKING031 b where b.hotelno=h.hotelno and b.guestno=g.guestno;
6. select b.guestno,g.guestname,g.guestaddress from guest031 g, BOOKING031 b where b.guestno=g.guestno AND b.hotelno='fb01';