

# SQL Project Queries

## Query 1:

I/P: To, From, Jdate

O/P: operator name, bus type, avb, cap, fare

**Solution:** SELECT opr.name, bus.type, bus.capacity, runs.available, runs.fare FROM operator as opr, bus, runs, route WHERE route.to= To AND route.from= From AND runs.date= Jdate;

## Query 2:

I/P: SET( Pass\_Name, pass\_Gender, no\_of\_seats, phno., pass\_age)

**Solution:** INSERT INTO passenger VALUES(id, pass\_name, contact, age, gender);  
INSERT INTO payment VALUES(no\_of\_seats);

## Query 3:

I/P: Phone no.

O/P: Pass\_Name, pass\_Gender, no\_of\_seats, phno., pass\_age, Travel\_on, Booking\_id, Boarding point, Destination Point, Fare

**Solution:** SELECT p.name, p.contact, p.gender, p.age, pay.no\_of\_seats, pay. paidid, pay.amount, rt.to, rt.from,run.date FROM passenger as p, payment as pay, route as rt, runs as run where p.contact= phno AND p.id=pay.passid AND p.payed\_route=rt.rid AND rt.rid=run.routeid;

## Query 4:

I/P: SET(Op\_id, Name, address, phone number, email)

**Solution: ADD Button:** INSERT INTO operator VALUES(op\_id, name, contact, address, email);

**EDIT Button:** UPDATE operator SET(name=name, contact=phone\_no, address= address, email=email) WHERE operator.id = id;

## Query 5:

I/P: SET(BUS\_ID, Bus\_type, Capacity, Fare, Operator ID, Route ID)

**Solution: ADD Button:** INSERT INTO bus VALUES (busid, type, capacity, opid);  
INSERT INTO runs VALUES(run\_id,bus\_id=busid,route\_id,date,fare);

**EDIT Button:** UPDATE bus SET (type=bus\_type, capacity= capacity, opid=operator\_id) WHERE bus.busid=bus\_id;

UPDATE runs SET(fare=fare, route\_id=routeid) WHERE runs.busid=bus\_id;

**Query 6:**

I/P: SET(Route\_ID, City Name, City\_ID)

**Solution: ADD Button:** INSERT INTO city VALUES(cid=city\_id, cname=City\_name);  
INSERT INTO route VALUES( rid, city\_name, all);  
INSERT INTO route VALUES (rid,all,city\_name);

**DELETE Button:**

**Query 7:**

I/P: SET(BUS\_ID, Running\_date, Available)

**Solution: ADD Button:** INSERT INTO runs  
VALUES(run\_id,bus\_id,route\_id,date=running\_date,available=Available);

**DELETE Button:**