LABSHEET 01 SCRIPT

```sql
SELECT *
FROM Student;

SELECT Mname,NoOfCredits
FROM Module;

SELECT Sname
FROM Student
WHERE Sname LIKE 'A%';

SELECT Sname, dob
FROM Student
WHERE dob<='1996/01/01';

SELECT NIC, Sname
FROM Student
WHERE Address LIKE '%Colombo%';

SELECT *
FROM Student
WHERE Sname LIKE 'K%' AND CID IN ('DS','IT');

SELECT *
FROM Student
ORDER BY Sname ASC;

SELECT *
FROM Student
ORDER BY NIC DESC;

SELECT *
FROM Student
ORDER BY Sname, CID DESC;
```

LABSHEET 3

```sql
SELECT COUNT(sid)
FROM Student;

SELECT COUNT(cid)
FROM Course;

SELECT COUNT(cid) AS 'NUMBER OF COURSE:'
FROM Course;

SELECT COUNT(mcode)
FROM Module
WHERE noofcredits='3';

SELECT SUM(c_fee)
FROM Course;

SELECT MAX(c_fee)
FROM Course;

SELECT MIN(c_fee)
FROM Course;

SELECT AVG(c_fee)
FROM Course;
```

LABSHEET 4

```sql
SELECT cid, COUNT(mcode)
FROM Offers
GROUP BY cid;

SELECT cid, COUNT(sid)
FROM Student
GROUP BY cid;

SELECT accadamic_year, COUNT(mcode)
FROM Offers
GROUP BY accadamic_year;

SELECT COUNT(mcode)
FROM Offers
WHERE semester='2';

SELECT cid,COUNT(mcode)
FROM Offers
WHERE semester='2'
GROUP by cid
ORDER BY cid;
```

LABSHEET 5

```sql
SELECT cid,COUNT(sid)
FROM Student
GROUP BY cid
HAVING COUNT(sid)<10;

SELECT cid, COUNT(mcode)
FROM Offers
GROUP BY cid
HAVING COUNT(mcode)>3
ORDER BY COUNT(mcode) ASC;

SELECT cid, accadamic_year, COUNT(mcode)
FROM Offers
GROUP BY cid
HAVING COUNT(mcode)<10;

SELECT cid, COUNT(mcode)
FROM Offers
WHERE accadamic_year='Y3'
GROUP BY cid
HAVING COUNT(mcode)>2;
```

LABSHEET 6

```
SELECT sid, sname, cname
FROM Student ST, Course CRS
WHERE ST.CID=CRS.CID;

SELECT cid,mname
FROM Module MD, Offers OFR
WHERE MD.Mcode=OFR.Mcode;

SELECT cname,mname
FROM Course CRS, Module MD, Offers OFR
WHERE OFR.CID=CRS.cid AND OFR.Mcode=MD.Mcode;

SELECT sid,sname
FROM Student STD,Course CRS
WHERE CRS.c_fee>100000 AND STD.cid=CRS.cid;

SELECT mname
FROM Module MD, Offers OFR
WHERE OFR.accadamic_year='Y1'AND OFR.Mcode=MD.Mcode; /*ALSO WORKS WITH
JUST accademic_year='Y'*/
```

LABSHEET 7

```sql
SELECT cid, COUNT(sid)
FROM Student
GROUP BY cid;

SELECT cname, COUNT(sid)
FROM Student STD, Course CRS
WHERE STD.CID=CRS.CID
GROUP BY cname;

SELECT cname, COUNT(mcode)
FROM Course CRS, Offers OFR
WHERE CRS.cid=OFR.cid AND accadamic_year='Y1'
GROUP BY cname
HAVING COUNT(mcode)>2;

SELECT cname, accadamic_year, COUNT(mcode)
FROM Course CRS, Offers OFR
WHERE CRS.cid=OFR.cid
GROUP BY cname
ORDER BY COUNT(mcode);
```