**Assignment: G1**

**Overall Score: 15/25**

**Comment: After Writing the query need to be executed.**

**9.f.** List the StudentID, StudentFirstName, StudentLastName, StudentDOB, StudentMobile from Student in AddressID 7

select StudentID, StudentFirstName, StudentLastName, StudentDOB, StudentMobile from Student where AddressID=7;

U don’t have to include StudentRollNo=7, only include AddressID=7

**9.h.** List all the student information whose first name is start and end with 'A'

select \* from Student where StudentFirstName like 'A%A';

U don’t have to include multiple condition StudentFirstName like 'A%' and StudentFirstName like '%A', instead of this you can StudentFirstName like 'A%A'

**9.J.** List all the StudentFullName, StudentAge, StudentMobile from Student. [StudentFullName= StudentFirstName + ‘ ‘ + StudentLastName] [StudentAge= Current date – DOB (in Years)]

select DateDiff(year, GetDate(), StudentDOB), StudentFullName, StudentAge, StudentMobile, StudentFullName= StudentFirstName + ‘ ‘ + StudentLastName from Student;

There is no need to include where clause in the query.

**9.k.** List all the StudentFullName, StudentAge, StudentMobile whose Age>23 from Student [StudentFullName= StudentFirstName + ‘ ‘ + StudentLastName]

select DateDiff(year,GetDate(),StudentDOB) As StudentAge, StudentFullName, StudentAge, StudentMobile, StudentFullName= StudentFirstName + ‘‘ + StudentLastName from Student where StudentAge>23;

This is the correct query.

**9.l.** List all the StudentFullName, StudentAge, StudentMobile whose Age is either 21 or 23 from Student [StudentFullName= StudentFirstName + ‘ ‘ + StudentLastName] [StudentAge= Current date – DOB (in Years)]

select DateDiff(year,GetDate(),StudentDOB) as StudentAge, StudentFullName, StudentMobile,StudentFullName= StudentFirstName + ‘‘ + StudentLastName from Student where StudentAge(21,23);

This is the correct query.

**9.p.** List all the lecturer information whose name end with “R”.

Select \* from Lecturer where LecturerName like '%R';

This is the correct query.

**9.q.** List all the lecturer information whose name either start or end with “E”.

Select \* from Lecturer where LecturerName like 'R%R';

This is the right way.

**10.g.** List all the LecturerID, LecturerName, LecturerHighestQualification, LecturerType from Lecturer [LecturerType= if LecturerYearService< 5 then "Begining Level Experience" else if LecturerYearService>= 5 and LecturerYearService<10 then "Mid Level experience" else "Experienced".

select LecturerID, LecturerName, LecturerHighestQualification, LecturerType

(case

when Datediff(year,getdate(),LecturerAge)< 5 then 'Begining Level Experience'

when Datediff(year,getdate(),LecturerAge)>= 5 and Datediff(year,getdate(),LecturerAge)<10 then 'Mid Level experience'

else 'Experienced'

End)

from Lecturer;

This is the right way.

**11**. All the joining conditions need to be validated. Sometimes you have performed cartesian product instead of Inner/Left/Right join. This is not the requirement, follow the query as shown below for the validation

Select \* from student s

Inner join department d on s.DepartmentID = d.DepartmentID

Inner Join Lecturer l on d.DepartmentID = l.DepartmentID;

This is the correct query.

Select \* from Student s

Inner join Address a s.AddressID=a.AddressID

Inner join Department d on s.DepartmentID=d.DepartmentID

Inner join Lecturer l on d.DepartmentID=l.DepartmentID;

This is the correct query.

**12.a** Create new table StudCopy and copy all records from Student table.

Select \* into StudCopy from Student;

This is the correct query.

**12.b.** Create a new table DeptCopy and copy only the schema from Department table.

Select \* into DeptCopy from Department where 1=0;

This is the correct query.

**12.c.** Create a new table DepartmentCopy and copy all records from Department table.

Select \* into DeptCopy from Department;

This is the correct query.

**12.d.** Create a new table AddrCopy and copy only the schema from Address table.

Select \* into AddrCopy FROM Address where 1=0;

This is the correct query.

**12.e.** Create a new table AddrCopy and copy all the records from Address table.

Select \* into AddrCopy FROM Address;

This is the correct query.

**12.f.** Create a new table LecturerCopy and copy all the records from Lecturer table.

Select \* into LecturerCopy from Lecturer;

This is the correct query.

**13.a.** Delete all the records from LecturerCopy table.

Truncate table LecturerCopy;

This is the correct query.

**13.b.** Delete all the student information for the students who belong to “IT” department.

Delete from student

Where DepartmentID= (Select DepartmentID from Department where DepartmentName='IT')

This is the correct query.

**13.c.** Delete all the student information for the students who belong to “Indonesia” country.

Delete from student

WHere AddressID= (Select AddressID from Address where Country= 'Indonesia')

This is the correct query.

**13.d.** Delete all the student information for the student who belongs to “Nanshi” city.

Delete from student

Where AddressID= (Select A.AddressID from Student S inner join Address A on S.AddressID=A.AddressID Where S.StudentName='Nanshi')

This is the correct query.

**13.e.** Delete all the student information for the student who belongs to “Bretagne” state.

Delete from student

Where AddressID= (Select AddressID from Address where State= 'Bretagne')

This is the correct query.

**14.a.** Update StudentMobile for those students who belongs to Department “ME”.

Update E

SET S. StudentMobile ='1235621'

from Student S

Inner Join Department D on S.DeptNo=D.DeptNo

Where D.DeptName='ME';

This is the correct query.

**14.b.** Update Student DepartmentID as 3, for the StudentID=42.

Update E

SET S.DeptNo=3

from Student S

Inner Join Department D on S.DeptNo=D.DeptNo

Where S.StudentID=42;

This is the correct query.