

## Assignment - 1

### Section A2

**Student** (snum: integer, sname: string, major: string, slevel: string, age: integer)

**Course** (cnum: integer, cname: string, meets\_at: string, room: string, fid: integer)

**Enrolled** (snum: integer, cnum: int)

**Faculty** (fid: integer, fname: string, deptid: integer)

**Note:** First execute the DB.sql script (provided with the assignment) to create the tables and insert data of the above relational schema.

**Part – A:** For the given schema, perform the following queries (without PL/SQL anonymous block) so that **no duplicates** are printed in any of the answers:

1. Find the student number and names and of all students who have not enrolled in any course.
2. Find the names and major of students enrolled in maximum number of courses.

**Part – B:** For the given schema, perform the following queries (in a PL/SQL anonymous block). Use DBMS\_OUTPUT.PUT\_LINE( ) to print result:

3. Print the average age of all level-3 students who are enrolled in a course taught by 'Shariful Islam'.
4. Count and print the number of students who take classes in exactly two different rooms.

N.B: Bring the solution of both the parts in two separate scripts. Please bring printed and soft copy with you. Put your name, id and group at the top of your script within comments. No need for Cover Page/Top Sheet.