CSE 4126
Assignment – 1

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)

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

Task: Create a PL/SQL anonymous block that –

A. [4 marks] Prints the last student `ID` stored in `student` table.
B. [6 marks] And inserts `10` more tuples in the `student` table, where `ID`s will be incremented by `1` starting from the last `ID` stored (from part - A). Other fields will be just repeated.

Example: Say, we have 5 tuples in student table.

```
SQL> select * from student;

      SNUM SNAME                          MAJ S        AGE
---------- ------------------------------ --- - ----------
         1 Sajid Abdullah                 CSE 1         19
         2 Abdullah Karim                 CSE 1         19
         3 Sajid Rahmatullah              CSE 2         20
         4 Abid Barkatullah               CSE 2         22
         5 Barkatullah Shahid             CSE 3         19
```

After executing your code, the result should be –

```
last id: 5

PL/SQL procedure successfully completed.

SQL> select * from student;

      SNUM SNAME                          MAJ S        AGE
---------- ------------------------------ --- - ----------
         1 Sajid Abdullah                 CSE 1         19
         2 Abdullah Karim                 CSE 1         19
         3 Sajid Rahmatullah              CSE 2         20
         4 Abid Barkatullah               CSE 2         22
         5 Barkatullah Shahid             CSE 3         19
         6 Barkatullah Shahid             CSE 3         19
         7 Barkatullah Shahid             CSE 3         19
         8 Barkatullah Shahid             CSE 3         19
         9 Barkatullah Shahid             CSE 3         19
        10 Barkatullah Shahid             CSE 3         19
        11 Barkatullah Shahid             CSE 3         19

      SNUM SNAME                          MAJ S        AGE
---------- ------------------------------ --- - ----------
        12 Barkatullah Shahid             CSE 3         19
        13 Barkatullah Shahid             CSE 3         19
        14 Barkatullah Shahid             CSE 3         19
        15 Barkatullah Shahid             CSE 3         19

15 rows selected.
```

Note:

1. Use cursor and control statements.
2. Do not use any aggregate functions (i.e. `count()` function) in your code.
3. Do not use any selection operation inside of the `begin-end` section.
4. Bring the solution in one script. Please bring printed and soft copy with you. Put your name, id and group at the top of your script within comments. Cover page is optional.