**University of Engineering and Management, Kolkata**

**NEWTOWN, RAJARHAT**



**Database Management System LABORATORY**

**NAME : Shubham Dutta**

**CLASS : CS-2B**

**YEAR : 2ND YEAR**

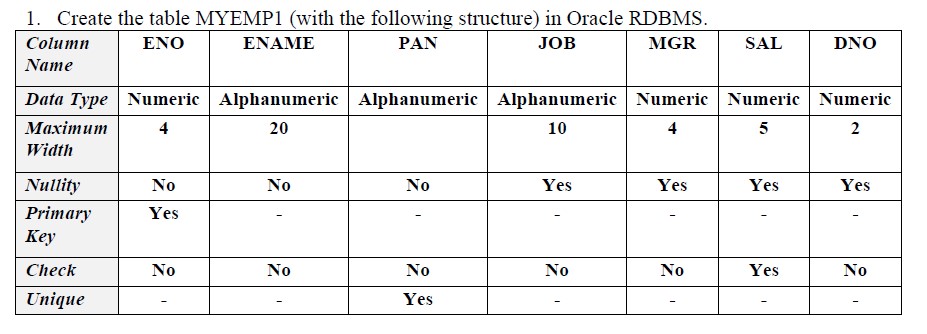
**SEMESTER : 4th SEMESTER**

**SECTION : 2B**

**ROLL NO. : 58**

**ENROLLMENT : 12019009022112**

**ASSIGNMENT 5**

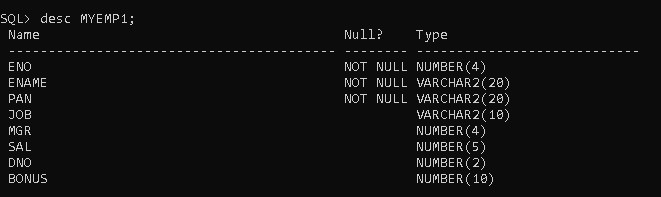


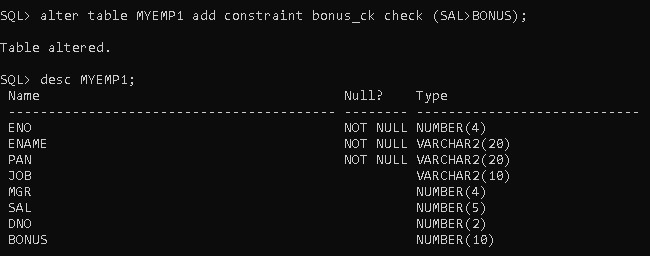
a) Add bonus Column to myemp1 table. Take bonus as of type number with size 10.

b) Alter table to add check constraint. Example: Add check constraint with name

bonus\_ck to check bonus given to every employee should not exceed salary.







2. a) Create a table Depart with the columns dept\_id, dept\_name, location\_name where

dept\_id is primary key.

b) Create another table Employ with the columns empid, name, salary, address,

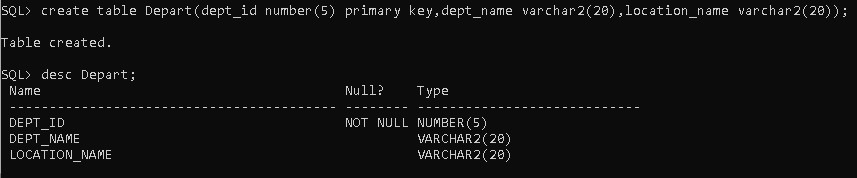
hire\_date, department\_no where empid is primary key.

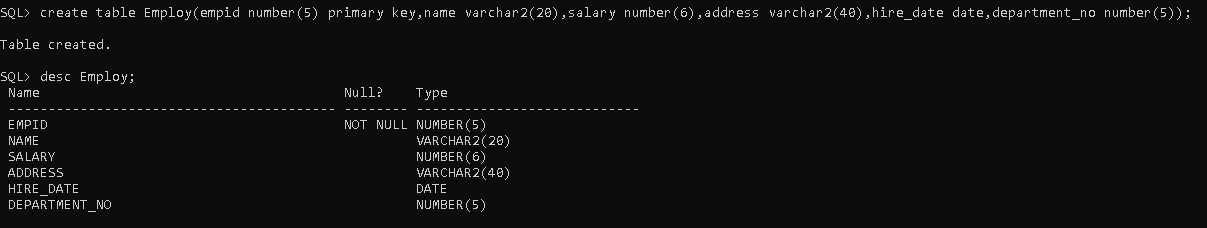
\* Make a referential integrity between department\_no and dept\_id. Also make sure that

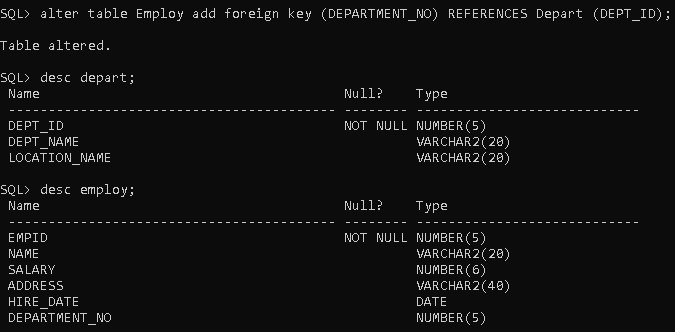
salary must contain some values in all rows and each department’s name is different.

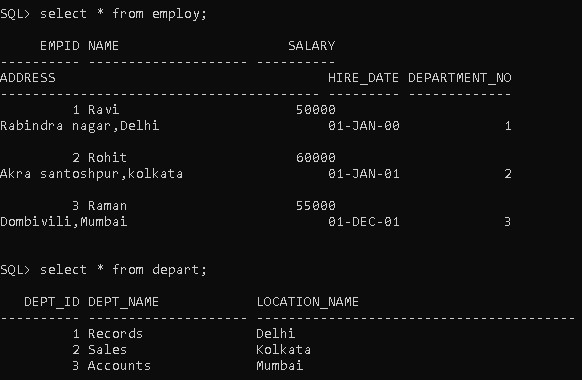
\* Give appropriate names to all the constraints being imposed on both the tables. Insert at least 3 rows in departments table. Insert at least 5 rows in the employees table with

different department names.









3. a) Create a table Departments with the columns dept\_id, dept\_name, loc\_name where

dept\_id is primary key.

b) Create other table locations with the columns location\_id, location\_name, area where

location\_id is primary key.

\* Ensure that location\_name acts as another candidate key of the locations table. Make

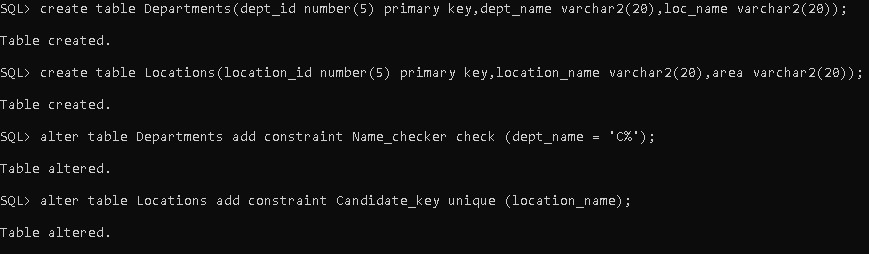
a referential integrity between loc\_name of departments table and location\_name of

locations table.

\* Ensure that dept\_name should starts with ‘C’

\* Give appropriate names to all the constraints being imposed on the tables. Insert at

least three rows in both the tables.





4. a) Create a table Employees with the columns empid, name, salary, address, hire\_date,

mgr\_no,dept\_name where empid is primary key.

\* Make a referential integrity between emp\_id and mgr\_no.

\* Give appropriate names to all the constraints being imposed on the tables. Insert at least 10 rows in the employees table with different department names (Make one department name BCA).

