**Assignment No 2**

**Create following tables in MYSQL**

Customer(cust\_no,cust\_fname,cust\_lname,cust\_company,cust\_addr,city,cust\_phone)

order(order\_no,cust\_no,ISBN,qty,odate);

book(ISBN,title,unit\_price,author\_no,publisher\_no,pub\_year);

author(author\_no,author\_name,country)

publisher(publisher\_no,publisher\_name,publisher\_addr,year);

**Note:Use referential integrity constraints while creating tables with on delete cascade options.**

Create view, index, sequence and synonym based on above tables.

**Assignment No 3**

Use the tables created in assignment no 2 and execute the following queries:

1. Insert at least 10 records in customer table and insert other tables accordingly.
2. Display all customer details with city pune and mumbai and customer first name starting with 'p' or 'h'.
3. lists the number of different customer cities.
4. Give 5% increase in price of the books with publishing year 2015.
5. Delete customer details living in pune.
6. Find the names of authors living in India or Australia
7. Find the publishers who are established in year 2015 as well as in 2016
8. Find the book having maximum price and find titles of book having price between 300 and 400.
9. Display all titles of books with price and published year in decreasing order of publishing year.
10. Display title,author\_no and publisher\_no of all books published in 2000,2004,2006.

OR

**Assignment No 2**

Consider the following relational Schema.

Departments (dept\_id , dept\_name )

Professors (prof\_id ,prof\_fname , prof\_lname, dept\_id,designation,salary,doj,email,phone,city )

works(prof\_id,dept\_id,duration)

Shift (prof\_id,shift,working\_hours)

**Note:Use referential integrity constraints while creating tables with on delete cascade options.**

Create view, index, sequence and synonym based on above tables.

**Assignment No 3**

Use the tables created in assignment no 2 and execute the following queries:

1. Insert atleast 10 records in professors table and insert other tables accordingly.
2. Display all professors details with city pune and mumbai and professor first name starting with 'a' or 'd'.
3. list the number of different cities of professors.
4. Give 5% increase in salary of the professors with date of joining 1-1-2015.
5. Delete professor details living in pune.
6. Find the names of professors belonging to pune or mumbai
7. Find the professors who joined on date 1-1-2015 as well as in 1-1-2016
8. Find the professor having maximum salary and names of professors having salary between 10,000 and 20,000.
9. Display all professors name with salary and date of joining with decreasing order of salary.
10. Display professors name, date of joining and dept\_id with salary 30000, 40000 and 50000