

# **LAB ASSIGNMENT -2**

## **RDBMS**

### **FYBCA (SEM 2)**

**NOTE:** Insert atleast 10 records in the tables.

#### **QUESTION-1**

##### **Tables**

1. **Student\_Master (Rno, Name, Gender, DOB, Address, City, Division)**
2. **Stud\_Assignment (Rno, Subject, Month, Tot\_Asgnmt)**
3. **Stud\_Attendance (Rno, Subject, Month, Total\_Lec)**

##### **Constraints:**

1. All fields in all the three tables can't be null
2. Division must be either 'I' or 'II'.
3. Month should be unique in both tables.

##### **Queries:**

1. Display Total no. of Girls and Boys of both divisions.
2. Display students who have submitted at least 5 assignments in any subject.
3. Display students who have not attended any lecture of 'OS' in January month.
4. Display total assignments of students of 'DBMS' subject for the month of February.
5. Display assignment and attendance details of students in 'DBMS' subject.
6. Display girls of Division I who have not submitted any assignment of 'Advance C' in March month.
7. Display boys of Division II who have not attended a single lecture of 'OB' in February month.
8. Display student of Division II with highest attendance in 'Advance C' in March Month.

## **QUESTION-2**

### **Tables**

- 1. EmployeeMaster(Emp\_No, Name, Job, Join\_Date, Salary, commission, dept\_no)**
- 2. Department(Dept\_No, Dept\_name, Location)**

### **Queries**

1. Select the name and salary of all employee who are "Manager".
2. list the employees whose salary are less than 5000.
3. list of employee whose commission is greater than their salary.
4. list of employee who do not get commission.
5. list the name of employees whose Join date is month of December.
6. find the employee name whose name length is 6 character.
7. find the total number of clerk in department number=5.

## **QUESTION-3**

### **Tables**

- 1. Product(pid,pname,ptype,price,qty)**
- 2. Salesman(sid,name,area,DOJ,target)**
- 3. Sales(pid,sid,saledate,qty)**

### **Constraints:**

1. pid and sid must be declared as primary key while creating table. Create appropriate relationship between tables.

- 2. Qty field must not null.**

### **Queries:**

1. Display total qty sold of product "xyz".
2. Count total products sale by each salesman.
3. Display salesman who sold more products than given target.
5. Display salesman who have joined in current month.
6. Count total products of each type.
7. Display salesman whose name contain more than 5 characters and joined in current year.
9. Remove the column area from salesman table.

## **QUESTION-4**

### **Tables**

- 1. Accountmaster(actno,custname,address,acttype,open date,balance)**
- 2. Account\_transaction(transid,transtype,transdate,actno,transamt)**

### **Constraints:**

1. Acttype must be "saving" or "current".
2. Transtype must be "deposit" or "withdrawal"

### **Queries:**

1. Display customers who opened account in January 2013.
2. Display customers who are having account in the bank for about more than 20 years.
3. Display customers with maximum no of transactions in saving account.
4. Display only withdrawal transactions for the month of dec 2014 of customers having current month.
6. Display total no of savings and current accounts.
7. Find customers who deposited maximum total amount in saving account.
8. Find customer with lowest balance in current account.
9. Display transaction details of customers that have done transaction between 1<sup>st</sup> Nov 2014 and 25<sup>th</sup> Dec 2014.

## **QUESTION-5**

### **Tables**

1. Bookmaster(bookid,title,author,publisher,price,noofcopy)
2. Studentmaster(studid,name,class,mobile,email)
3. Transaction(transid,studid,bookid,transtype,transdate)

### **Constraints:**

1. transtype:Issue,Deposit

### **Queries:**

1. Display all student information from studentmaster.
2. Display all student information who has "yahoo.com" in email.
3. Display the book of "Tata McGrawhill" publication.
4. Display the total number of book issue in year 2015 of title "Let Us C".
5. Display the students whose name starts with "A".
6. Display details of books issued by students of class "FYBCA".
7. Display total number of books of each author in sorted order.
8. Display students who have not issued any book yet.
9. Display the student who issue maximum book of Title "Software Engineering".
10. Display the students whose mobile number starts with "78".