

**BSC(IT) SEM-2**

**SUBJECT : 205-INTRODUCTION TO DBMS**

**PRACTICAL ASSIGNMENT – 4**

**SUBMISSION DATE : 07-03-2023**

Q1. Create the following tables for studentDB:

studentTB(rollno, studName, gender, address, city, dob, semester, mobileNo, email, feeAmount)

courseTB(courseID, courseName, courseDesc)

enrollmentTB(enrollID, rollno, courseID, EnrollmentYear)

marksTB(markID, rollno, sub1, sub2, sub3, total, per, grade)

Perform the following Queries:

1. Display the students of 2nd semester.
2. Count the total number of Students of 4th semester.
3. Display the student details according to the rollno in descending order.
4. Display the percentage and grade of student whose rollno is 45 and studying in 4th semester.
5. Count the number of girls from 2nd semester.
6. Count the number of students who secured “Distinction”.
7. List out the total, percentage and grade of the students who secured “First” class.
8. List the student who have failed(less than 40%).
9. Count the number of students who have failed.
10. Count the number of students of all the respective courses.
11. Get the details of the students who are enrolled in the year “2010”.
12. List the details of students who lives in “Surat” and pay 20000 fees.

Q2. Create the following tables for libraryDB:

memberTB: memberID, memberName, mobileNo

bookTB: bookid, title, authorName, publisher, year, price, totalcopies

issueTB: issueID, memberID, issueDate.

Perform the following Queries:

1. Display total length of books whose name starts with "A".
2. Display all books whose publisher is "BPB".
3. Find the author names whose book price is between 500 and 1000.
4. Display book details whose publisher is "McGraw-Hill" and total copies are 250.
5. Display the list of members whose mobileNo is unknown.