1.	Consider the Insurance database given below. PERSON(driver_ID, name, address) CAR(regno, model,year) ACCIDENT(report_number,accd_date,location) OWNS(driver_id,regno) PARTICIPATED(driver_id,regno,report_number,damage_amount) i. Specify the primary keys and foreign keys and enter at least five tuples for each relation. ii. Update the damage amount for the car with specific regno in the accident with report number 1025. iii. Add a new accident to the database. iv. Find the total number of people who owned cars that were involved in accidents in the year 2018. v. Find the number of accidents in which cars belonging Wagon R were involved. vi. Write a procedure program to find square of a number
2.	Create the Book database and do the following: Book (book_name,author_name,price,quantity). i. Write a query to update the quantity by double in the table book. ii. List all the book_name whose price is greater than those of book named "Database for Dummies". iii. Retrieve the list of author_name whose first letter is 'a' along with the book_name and price. iv. Write a function to find maximum of two numbers.
3.	Create the Company database with the following tables and do the following: Administration(employee_salary, development _cost, fund_amount, turn_over,bonus) Emp_details (emp_no, emp_name, DOB, address, doj, mobile_no, dept_no, salary). i. Calculate the total and average salary amount of the employees of each department. ii. Display total salary spent for employees. iii. Develop a PL/SQL function to display minimum of two numbers
4.	Create the student database with the following tables and do the following: assessment(reg_no,name, mark1, mark2, mark3, total) dept_details (dept_no, dept_name, location). i. Using alter command drop the column location from the table dept_details. ii. Display all dept_name along withdept_no. iii. Drop the table dept_details. iv. Write a PL/SQL Trigger to update and insert a data

5.	Consider the following Tables for a bus reservation system application: BUS (ROUTENO, SOURCE, DESTINATION) PASSENGER (PID, PNAME, DOB, GENDER) BOOK_TICKET (PID, ROUTENO, JOURNEY_DATE, SEAT_NO) i. Include constraint that DOB of passenger should be after 2000 ii. Display the passengers who had booked the journey from Mumbai to Chennai on 02-Feb-2019 iii. List the details of passengers who have traveled more than three times on the same route. iv. Create a View that displays the RouteNo, source, destination and journey_date which moves from Chennai to Delhi. v. Develop a PL/SQL function to display maximum of two numbers
6.	Consider the following tables. SAILOR(sid, sname, rating, age) BOATS(bid, bname, colour) RESERVES(sid, bid, day) i. List the sailors in the descending order of their rating. ii. List the sailors whose youngest sailor for each rating and who can vote. iii. List the sailors who have reserved for both 'RED' and 'GREEN' boats. iv. Write a PL/SQL Trigger to update and insert a data.
7.	Consider the following relations for a transport management system application: DRIVER (DCODE, DNAME, DOB, GENDER) CITY (CCODE, CNAME) TRUCK (TRUCKCODE, TTYPE) i. Include the constraint as mentioned above and the gender of driver is always 'male'. ii. Develop a SQL query to list the details of each driver and the number of trips traveled. iii. Write a PL/SQL Trigger to update and insert a data. iv. Count the number of drivers available
8.	Consider the following relational schema for a banking database application: CUSTOMER (CID, CNAME) BRANCH (BCODE, BNAME) ACCOUNT (ANO, ATYPE, BALANCE, CID, BCODE) TRANSACTION (TID, ANO, TTYPE, TDATE, TAMOUNT) i. Develop a SQL query to list the details of branches and the number of accounts in each branch. ii. Develop a SQL query to list the details of customers who have performed the most transactions today iii. Develop a PL/SQL Function to maximum of two number .

	iv. Perform cross join from the given table.
9.	Consider the following database of student enrollment in courses and books adopted for that course. STUDENT(regno, name, major, bdate) COURSE(courseno, cname, dept) ENROLL(regno, courseno, sem, marks) i. Display the total number of students register for more than two courses in a department specified. ii. Display the students who have secured the highest mark in each course iii. List the youngest student of each course in all departments. iv. Develop a PL/SQL function to display maximum of two numbers
10.	The following are maintained by a book dealer. AUTHOR(author_id, name, city, country) PUBLISHER(publisher_id, name, city, country) CATALOG(book_id, title, author_id, publisher_id , category_id, year, price) CATEGORY(category_id, description) ORDER_DETAILS(order_no, book_id, quantity) i. List the author of the book that has minimum sales. ii. Display total number of books in each category. iii. Develop a PL/SQL procedure to square of a number
11.	Create the student database with the following tables and do the following: mark_details(reg_no,name, mark1, mark2, mark3, total) dept_details (dept_no, dept_name, HOD) stud_details(reg_no,name, dob, address) i. Using alter command to assign foreign key in mark_details. ii. Display the address of the students who have secured the top three ranks. iii. Develop a PL/SQL procedure to square of a number
12.	Create a database for maintaining the cloud database PAAS_details(server, platform, startDate, endDate, rate) SAAS_details(server, software, startDate, endDate, rate) DAAS_details(server, database, startDate, endDate, rate) transaction(service, logintime, logouttime) i. List the details of the services requested from 5th Feb to 10th Feb, 2019. ii. Display the details of the service that are least used and most used. iii. Perform cross join on PAAS and SAAS details. iv. Develop a PL/SQL function to find maximum of two numbers.
13.	Create a database for Placement and Training cell. Stud_details(regno, name, dept, percentage) Company(companyID,name, noOfVacancy)

	Training_Details(CourseID, name, Trainer) Placed(regno, companyID,minSal) i. List the students who are eligible for recruitment in a particular company. ii. Display the student who has been placed with highest salary iii. Perform left outer join. iv. Develop a PL/SQL procedures to maximum of two numbers
14.	Create a database for Timetable generation using the following tables: Faculty_details(FacultyID,FacultyName, dept) Subject_details(Subcode, subtitle, dept, year) Subject_allocated(Subcode, year, dept,FacultyID) Timetable(period, timefrom, timeto, Subcode,year,dept) i. Display the timetable of individual faculty ii. Display the timetable of each class separately iii. Display the timetable of particular subject Iv Develop a PL/SQL procedures to maximum of two numbers
15.	Create a Table as **workers** and the details are { S.No, Name, Designation, Branch } Perform the following commands: ➢ Alter the table by adding a column **Salary** ➢ Alter the table by modifying the column **Name** ➢ Describe the table **employee** ➢ Copy the table **employee** as **emp** ➢ Truncate the table ➢ Delete the Second row from the table ➢ Drop the table Write a PL/SQL Trigger to update and insert a data.
16.	Create the following tables ***student_details*** {register_no, student_name, DOB, address, city} ***mark_details*** {register_no, mark1, mark2, mark3, total } ➢ Display only those rows whose total ranges between 250 and 300. ➢ Drop the table *mark_details* and Delete the row whose register_no=161. ➢ Display all details whose names begins with 'a'. Develop a PL/SQL procedures to maximum of two numbers.
17.	Consider the following database for a ***Banking Enterprise.*** *Branch*{branch_name, branch_city, assets) ACCOUNT(accno, branch_name, balance} *Depositor* {customer_name, accno) CUSTOMER(customer_name, customer_street, customer_city} *Loan* {loan_number, branch_name, amount} *Borrower* { customer_name, loan_number)} ➢ Create the above tables by properly specifying the primary keys and foreign

	keys and enter at least five tuples for each relation. ➢ Find ***all*** the customers who have at least two accounts at the ***main*** branch. ➢ Find all the customers who have an account at ***all*** the branches located in a specific city. ➢ Demonstrate how you delete all account tuples at every branch located in a specific city. Develop a PL/SQL procedures to maximum of two numbers
18.	Consider the following database consisting of the following tables: *Hostel* (hno, hname, type [boys/girls]) *Menu* (hno, day, breakfast, lunch, dinner) *Warden* (wname, qual, hno) *Student* (sid, sname, gender, year, hno) ➢ Display the total number of girls and boys hostel in the college. ➢ Display the menu in the hostel 'x' on Tuesday. ➢ Display the number of wardens for each hostel.II. Write a PL/SQL Trigger to update and insert a data.
19.	Create the Company database with the following tables and do the following: Administration(employee_salary, development _cost, fund_amount, turn_over,bonus) Emp_details (emp_no, emp_name, DOB, address, doj, mobile_no, dept_no, salary). i. Calculate the total and average salary amount of the employees of each department. 2. Write a PHP program to create user login page
20	Consider the following tables. SAILOR(sid, sname, rating, age) BOATS(bid, bname, colour) RESERVES(sid, bid, day) i. List the sailors in the descending order of their rating. 2. Write a PHP program for student information system