

1	<p>Create the following table using SQL for an Entrance Exam. Keep a constraint check so that the marks should be within the range 1-100 Student (Sroll,Sname,Sdept,SMarks,Edob) Using PL/SQL implement the following:</p> <ol style="list-style-type: none"> Count the number of Students. Find the maximum and minimum marks obtained. List the details of the student having the maximum age. Write a procedure/function to input the Sroll of a Student and return the Student details. Write the code for the Exceptions TOO_MANY_ROWS and NO_DATA_FOUND.
2	<p>Create the following tables and insert suitable records in them maintaining integrity constraints:</p> <p><i>Suppliers</i> (sid, sname, address) <i>Parts</i> (pid, pname,color) <i>Catalog</i> (sid, pid, cost)</p> <ol style="list-style-type: none"> Insert at least 6 records in each table. Make proper validation such that every pid must begin with 'PI', the price range of all the items is from Rs.500/- to Rs.25000/-. Write a PL/SQL code using Cursor to list the 3rd maximum price from the Catalog table. Write a function to which will take the pid as an input (from the Parts table) and list the details of the product with that given pid. Implement one built-in and one user-defined Exception.
3	<p>Create the following tables through appropriate SQL commands:</p> <p>Sailors (Sid, Sname, Rating, Age) Boats(Bid,Bname,Colour) Reserves (Sid,Bid,Day) Define the integrity constraints, if required. Populate tables with appropriate data at least 5 records in each table. [7]</p> <ol style="list-style-type: none"> Answer the following queries: <ol style="list-style-type: none"> Find the names of sailors who have reserved both a black and a white boat. Find sailors whose rating is better than "Sherpa". [4+4] Write the PL/SQL code implementing Cursor to give the details of the Sailor having the Minimum age. [7] Implement the Exceptions NO_DATA_FOUND and OTHERS.
4	<p>Create the following Tables maintaining proper Integrity Constraints</p> <p>Student(s_roll,sname,s_address,c-id) Course(c-id,cname,cfees,cstartdate)</p> <ol style="list-style-type: none"> Insert at least 5 records in each table. Keep proper validation so that the value of course fees (cfees) lies between 2000-15000 and the c-id starts with the letters 'CI'. Write a PL/SQL code using cursor to increase the course fees of the course 'Animation' by 10% and other courses by 5%. Ensure that the updation is properly done. Write a procedure/function to input the c-id of a Course and return the Course details. Use at least one Inbuilt and one User defined Exception.
5	<p>Create the following table using SQL:</p> <p>Employee (E_id,Ename,Edept,Esalary,Edob)</p>

	<p>Using PL/SQL implement the following:</p> <p>(a) Count the number of employees.</p> <p>(8) Find the maximum and minimum salary.</p> <p>(c) List the details of the employee having the maximum age.</p> <p>(d) Write a procedure/function to input the E-id of an Employee and return the employee details.</p> <p>(e) Write the code for the Exceptions TOO_MANY_ROWS and NO_DATA_FOUND</p>
6	<p>Create the following tables with proper integrity constraints:</p> <p>Employee (emp_id, ename, esal, d_id)</p> <p>Department (d_id,dname,d_location)</p> <p>Every employee id must begin with 'EMP', the salary range of an employee should be between 10000 and 100000, and the departments are located in one of the following locations: Kolkata, Mumbai, Delhi and Chennai.</p> <p>(i) Write a PL/SQL code using Cursor to increase the salary of all the employees of Chennai by 25% and decrease the salaries of employees residing in Kolkata by 10%</p> <p>(ii) Write a procedure/function to input the id (emp_id) of an employee and return the corresponding employee details.</p> <p>(iii) Use proper Exception Handling in case of invalid data input.</p>
7	<p>Create a table named Employees to store the detailed information of the employees in an organization. The table should contain the following fields:</p> <p>(Eid,Ename,EDept,date_of_join,ESal)</p> <p>Insert at least 10 records.</p> <p>(a) Write a PL/SQL code to update the salary of all Employees by 20%.</p> <p>(b) Write a PL/SQL code to separately store the records of the first 5 employees having the maximum salary in a separate table named Max_sal.</p> <p>(c) Write a PL/SQL code to separately store the records of the last 5 employees having the maximum salary in a separate table named Min_sal.</p>
8	<p>Create the Following tables with proper integrity constraints:</p> <p>Item (Item_id, name, price, cust_id)</p> <p>Customer (cust_id, name, addr)</p> <p>(a) Make proper validation such that every item id must begin with 'ITM', the price range of all the items is from Rs 50/- to Rs 5000/0.</p> <p>Now add a field 'quantity' to the Item table.</p> <p>(b) Write a PL/SQL code to input the id of an item and to check whether the number of this item present is less than 10. If so, add 100% more items, otherwise add 50% more items. Ensure that the updation is properly done.</p> <p>(c) Write a block to throw an exception if the given item id provided is invalid.</p> <p>(d) Write a function in PL/SQL to input the id of a customer and find the Customer details</p>
9	<p>Employee (e_id, emp_name, street, city)</p> <p>Works (e_id, company_name, salary)</p> <p>Company(company_name, city)</p> <p>Manages(e_id, manager_name)</p> <p>Create and populate the database through appropriate SQL commands maintaining integrity constraints where required.</p> <p>(a) Write the SQL queries for the following:</p>

	<p>(i) Find the names and cities of residence of all employees who work for the company ITC</p> <p>(ii) Find all employees who live in the same city as their managers.</p> <p>(b) Write a procedure/function to input the e_id and return the corresponding employee details.</p>
10	<p>Create the following tables with <i>proper integrity constraints</i>:</p> <p>Student (s_id, s_name, s_fees, dept_id)</p> <p>Department (dept_id,dept_name,dept_floor)</p> <p>Every student id must begin with 'STD', the fees range of a student should be between 2000 and 4000, and the departments are located in one of the following floors : First, Second, Third and fourth.</p> <p>Write a PL/SQL code using Cursor to decrease the fees of all the student of first floor and third floor by 20%, second and fourth floors by 10 %.</p> <p>Write a cursor/function to input the id of a student and return the corresponding student details. Use proper Exception Handling in case of invalid data s_id input.</p>
11	<p>Create a table named <i>Student</i> to store the detailed information of the Students in a School. The table should contain the following fields: (S_id,Sname,class,date_of_exam, Marks)</p> <p>Insert at least 10 records.</p> <p>(a) Write a PL/SQL code to separately store the records of the first 3 students having the maximum marks in a separate table named Stud_Rank.</p> <p>(b) Write a cursor/procedure/function in PL/SQL to input the id of a student and find th details of that student.</p>
12	<p>Consider the following database:</p> <p>Student (sroll, sname, dept,faculty_id)</p> <p>Faculty (faculty_id, fname,No_of_classes)</p> <p>Create and populate the database through appropriate SQL commands. Use integrity constraints, if required.</p> <p>Write a PL/SQL code to do the following:</p> <p>(a) Find the total number of students using a Cursor.</p> <p>(b) Write a function to input the faculty_id and return the corresponding faculty details.</p> <p>(c) Using Cursor find the Faculty having the maximum number of classes.</p>
13	<p>Suppose there are two tables called Customer and Customer_Discount. The first table stores the details of all the customers of a retail shop. The shop owner has decided to offer some discounts to the customers. The discount is dependant on the total amount purchased by a customer. If a customer has purchased items of more than Rs.5000/- then the discount is 20%, if a customer has purchased items worth Rs.1000/- to Rs.5000/- then the discount is 12% otherwise a flat discount of 5% is offered. The customer name, total amount purchased and the discount amount are to be stored in the second table. Write a PL/SQL code to perform the above operations. At the time of the entering a customer id which is not present in the table, the program will generate proper exception and will display a message.</p>

14	Create a product table to store some relevant fields about different products sold by a shop. Write a PL/SQL code to fetch the first n products according to their price and store their details in a separate table called Expensive_Product.
15	Create a table to store the detailed information of the students of a college. Write a PL/SQL code to separately store odd-numbered records and even-numbered records to two different tables.