**Question List (Chits) PBA 2**

12. Write a function to square the number taken from user.

13. Write a program in PL/SQL to display a table based detail information for the employee of ID 149 from the employees/company table.

14. Create a PL/SQL procedure that takes department as input from a user & print the number of employees working in that department in the same variable?

15. Write a PL/SQL program using WHILE loop for calculating the average of the numbers entered by user. Stop the entry of numbers whenever the user enters the number 0.

16. Write a PL/SQL code to find whether a given string is palindrome or not.

17. Write PL/SQL program to find the sum of digits of a number.

18. Write a procedure to display the records from Manufacturing industry table.

19. Write a procedure to display the records from Hospital table.

20. Write a PL/SQL program to display the employee IDs, names, job titles, hire dates, and salaries of all employees.

21. Write a PL/SQL program to display the names of all countries.

**22. Consider the Following schema**

Emp (eno, ename, designation, salary, dno)

Dept (dno dname,dhod)

1. Increment the salary of all 'comp' dept employees with 10 %
2. Display the ename and designation if salary is above 35000 of dno 101
3. Create the trigger on emp Table: The deleted record from the emp table should be insert in Dummy Table

**23. Consider the Following schema**

Boats(Bid, Name, Bcolor)

Sailors(Sid,Sname, Srating)

Reserves (Bid, Sid, Date of Reservation)

1. Create the trigger on Sailors Table: The Rating of the Sailor should get incremented by 1 once the sailor reserves a boat.
2. Create the Cursor which will Insert the Sid, Sname, Bid who reserved red

color Boat in Red Boats Table;

**24. Consider the Following schema**

Books ( Sid, Bid, BName, BPrice )

Transactions (Sid,Bid, Date\_Issue,Date\_Return, Status) Return books (Sid,Bid, Fine amout )

1. Create a trigger on Books Table such that insertion of Books details to insert a record in Transaction table (Sid and Bid values should be Same, others values can be Assumable )
2. Display the Book Names Issued to Sid 'XXX' using Cursor

**25. Consider the Following schema**

Books ( Sid, Bid, BName, BPrice )

Transactions (Sid,Bid, Date\_Issue,Date\_Return, Status) Return books (Sid,Bid, Fine amout )

1. Update the Date\_Return of Sid `xxx' . Then Create the Trigger to Update the Status of Book to 'Return'
2. Create a cursor which will calculate the Fine Amount and insert the `Return' Books in Return books table.

Conditions:

If No of Days Between Date\_Issue and Date\_Return > 15 Days, Fine amount is : 10 Rs Per Day

If No of Days Between Date\_Issue and Date\_Return > 16 Days and < 30 Days, Fine\_amount is : 20 Rs Per Day

If No of Days Between Date\_Issue and Date\_Return > 30 Days, Fine amount is : 30 Rs Per Day

**26. Consider the Following schema**

Books ( Sid, Bid, BName, BPrice )

Transactions (Sid,Bid, Date\_Issue,Date\_Return, Status) Return books (Sid,Bid, Fine amout )

1. Create a trigger on Books Table such that insertion of Books details to insert a record in Transaction table (Sid and Bid values should be Same, others values can be Assumable )
2. Create a cursor which will calculate the Fine Amount and insert the `Return' Books in Return books table.

Conditions:

If No of Days Between Date\_Issue and Date\_Retum > 15 Days, Fine amount is : 10 Rs Per Day

If No of Days Between Date\_Issue and Date\_Return > 16 Days and < 30 Days, Fine\_amount is : 20 Rs Per Day

If No of Days Between Date\_Issue and Date\_Return > 30 Days, Fine amount is : 30 Rs Per Day

1. Perform the CRUD Operations in MongoDB
2. **Write the Mapreduce Program to Calculate the Total Marks Secured by each student in all Subjects.**