

B.Tech(CSE) – IV – 2 Sem (Jan-May 2022)

RDBMS ACCS-16405

Tutorial Sheet 6 (Based on PL/SQL)

- ✓ What are triggers in PL/SQL? What are its advantages?
- ✓ Write and explain in detail the syntax for creating a trigger in PL/SQL.
- ✓ What are different types of triggers? Explain in detail.
- ✓ Create a trigger for the EMP table , which always keeps the entries in the Ename column in uppercase
- ✓ What is Raise_Application_Error?
- ✓ How triggers can be enabled, disabled and dropped?

Create the following triggers based on EMP and DEPT tables

- Q1. Create a trigger which keeps the data in ename and job columns in uppercase.
- Q2. Create a trigger which is fired on deleting a record from the DEPT table. Before deleting this record it should delete the corresponding employee information working in that department.
- Q3. Create a trigger which will generate a Primary Key automatically for a table student having the columns: Rollno, Name and Class.
- Q4. Create a trigger which is fired when the salary of an employee is updated from the EMP table. It guarantees that new salary is more than the old salary. If not, it raises an exception.
- Q5. Create a trigger which is fired whenever the value of DEPTNO changes in DEPT table. It should update the corresponding values in the EMP table.
- Q6. Create a trigger which illustrates the operations performed by a user on EMP table.
- Q7. Create a trigger which records the modifications made to the SAL column of EMP table into the EMP_LOG table which has the following columns:
EmpId, User_Name, Change_date, Typ_Op, Old_Sal, New_Sal
- Q8. Create an “Instead Of Trigger” which deletes a record from the EMP table whenever a record is deleted from a view based on EMP table.
- Q9. Differentiate between Statement triggers and Row triggers. How many total trigger types are possible in PL/SQL?
- Q10. Discuss the DATA DICTIONARY which can be used to get Trigger information.