Title : Create a transparent audit system for a table  
Employees using trigger. The system must keep track of the records that are  
being deleted or updated. When a record is deleted or modified in a employee  
table, employee id and and the date of operation are stored in the audit table,  
then the delete or update operation is allowed to go through

Assignment : 11

CREATE TABLE employee5(emp\_id NUMBER PRIMARY KEY, fname VARCHAR2(50), l\_name VARCHAR2(50),salary NUMBER);

INSERT INTO employee5 VALUES(11,'Yash','Joshi',50000);

INSERT INTO employee5 VALUES(20,'Pravin','Gaikwad',45000);

INSERT INTO employee5 VALUES(25,'Vikas','Shinde',75000);

INSERT INTO employee5 VALUES(26,'Mahesh','Rathod',42000);

SELECT \* FROM employee5;

CREATE TABLE Employee\_Audit (operation\_type VARCHAR2(10), emp\_id NUMBER, operation\_date DATE);

desc Employee\_Audit;

CREATE OR REPLACE TRIGGER Employee\_Delete\_Trigger

BEFORE DELETE ON employee5

FOR EACH ROW

BEGIN

INSERT INTO Employee\_Audit (operation\_type, emp\_id, operation\_date)

VALUES ('DELETE', :OLD.emp\_id, SYSDATE);

END;

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CREATE OR REPLACE TRIGGER Employees\_Update\_Trigger

BEFORE UPDATE ON employee5

FOR EACH ROW

BEGIN

INSERT INTO Employee\_Audit (operation\_type, emp\_id, operation\_date)

VALUES ('UPDATE', :OLD.emp\_id, SYSDATE);

END;

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UPDATE employee5

SET salary = 71000

WHERE emp\_id = 20;

DELETE FROM employee5

WHERE emp\_id = 26;

SELECT \* FROM Employee\_Audit;