**AssignmentNo:7**

**Name:** Pawar Shivanjali Shivaji **Div:** B

**RollNo:**CO3B33 **Batch :** B3

**Aim:-**

Write A Database triggeron library table system should keep trackof records that arebeing updatedordeleted theoldvalueofupdatedrecordsshoulddeletedrecordsbeinlibraryaudittable.

SQL\*Plus:Release11.2.0.2.0ProductiononThuOct1115:01:361524 Copyright (c) 1982, 1514, Oracle.All rights reserved.

SQL>connect

Enteruser-name:System Enter password:

Connected.

SQL>createtablelib1(bnonumber(11),bnamevarchar2(11),authorvarchar2(11),allowed\_daysnumber(11));

Tablecreated.

SQL>insertintolib1values(1,'IOT','Mr.Jadhav',11); 1 row created.

SQL>insertintolib1values(2,'DBMS','Mr.Shinde',15); 1 row created.

SQL>insertintolib1values(3,'JAVA','Ms.Jagtap',18); 1 row created.

SQL>insertintolib1values(4,'SPOS','Mr.Tambe',20); 1 row created.

SQL>insertintolib1values(5,'CNS','Mr.Amrale',12); 1 row created.

SQL>select\*fromlib1;

# BNOBNAME AUTHOR ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1IOT | Mr.Jadhav | 11 |
| 2DBMS | Mr.Shinde | 15 |
| 3JAVA | Ms.Jagtap | 18 |
| 4SPOS | Mr.Tambe | 20 |
| 5CNS | Mr.Amrale | 12 |

SQL>createtablelib1\_audit(bnonumber(11),old\_allowed\_daysnumber(11),new\_allowed\_daysnumber(11));

Tablecreated.

SQL>createorreplacetriggertrg1

1. beforeupdateordeleteon lib1
2. foreachrow
3. begin
4. insertintolib1\_auditvalues(:new.bno,:old.allowed\_days,:new.allowed\_days);
5. end;
6. /

Triggercreated.

SQL>updatelib1setallowed\_days=11wherebno=1; 1 row updated.

# BNOBNAME AUTHOR ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1IOT | Mr.Jadhav | 11 |
| 2DBMS | Mr.Shinde | 15 |
| 3JAVA | Ms.Jagtap | 18 |
| 4SPOS | Mr.Tambe | 20 |
| 5CNS | Mr.Amrale | 12 |

SQL>updatelib1setallowed\_days=40wherebno=1; 1 row updated.

SQL>select\*fromlib1;

# BNOBNAME AUTHOR ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1IOT | Mr.Jadhav | 40 |
| 2DBMS | Mr.Shinde | 15 |
| 3JAVA | Ms.Jagtap | 18 |
| 4SPOS | Mr.Tambe | 20 |
| 5CNS | Mr.Amrale | 12 |

SQL>select\*fromlib1\_audit;

# BNOOLD\_ALLOWED\_DAYSNEW\_ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1 | 11 | 11 |
| 1 | 11 | 40 |

SQL>deletefromlib1wherebno=2; 1 row deleted.

SQL>select\*fromlib1;

# BNOBNAME AUTHOR ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1IOT | Mr.Jadhav | 40 |
| 3JAVA | Ms.Jagtap | 18 |
| 4SPOS | Mr.Tambe | 20 |
| 5CNS | Mr.Amrale | 12 |

SQL>select\*fromlib1\_audit;

BNOOLD\_ALLOWED\_DAYSNEW\_ALLOWED\_DAYS

|  |  |  |
| --- | --- | --- |
| 1 | 11 | 11 |
| 1 | 11 | 40 |
|  | 15 |  |