

### **Query:**

**Write a database trigger on Library table. The System should keep track of the records that are being updated or deleted. The old value of updated or deleted records should be added in Library\_Audit table.**

### **Create Tables:**

**Mysql> Create table Library (Book\_ID int, Title Varchar(20), Auther\_Name Varchar(20),Dept Varchar(20) );**

### **Insert suitable data into Library table.**

**Mysql> Create table Lib\_Audit(Book\_ID Int,Old\_Book\_ID\_Before\_Update Int, Up\_Del\_Date Date, Staus Vacrchar(20));**

### **Create Trigger**

#### **1. Trigger for Update data of library table:**

**CREATE TRIGGER Lib\_Trig\_Update AFTER update ON Library**

**FOR EACH ROW**

**BEGIN**

**INSERT INTO Lib\_Audit (Book\_ID,Old\_Book\_ID\_Before\_Update,Up\_Del\_Date,Status)**

**Values( NEW.Book\_ID,Old.Book\_ID,Now(),'Update');**

**END;**

#### **2. Trigger for Delete Data of library table:**

**CREATE TRIGGER Lib\_Trig\_Delete AFTER Delete ON Library**

**FOR EACH ROW**

**BEGIN**

**INSERT INTO Lib\_Audit (Book\_ID,Old\_Book\_ID\_Before\_Update,Up\_Del\_Date,Status)**

**Values( Old.Book\_ID, 0 ,Now(),'Delete');**

**END;**