## **Practical-8**

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AIM: Perform the following operation for demonstrating the insertion, updation and deletion using the referential integrity constraints.

- · To demonstrate insertion, updating, and deleting operations with referential integrity constraints, we will assume we are working with two tables in a relational database: Employees and Departments. · Referential integrity constraint i). Paimany Key: Departments table has a primary Key on DepartmentID.

  ii). Foreign Key: Employees table has a toorign Key on DepartmentIO referring the Departments i). (REATE Table Departments and Employees: CREATE TABLE Departments (
  DepartmentID INT PRIMARY KEY, Department Name VARCHARCION NOT NULL CREATE TABLE Employees (
  Employee ID INT PRIMARY KEY,
  Employee Name VARCHAR (100) NOT NULL,
  Department ID INT, (ONSTRAINT FK\_Department FOREIGN KEY (Department ID)
  REFERENCES Departments (Department ID) ON DELETE CAGCADE ON UPPATE CASCADE
- ii). Inserting Duta into Tables :-

);

INSERT INTO Departments (DepartmentID, DepartmentName)
VAWES (1, 'Sales');

```
INSERT INTO Employees

(EmployeeID, Employee Nume, Department10)

VALUES

(101, 'Alice', 1), (102, 'Bob', 1);
```

Output :-

11 Departments	Table		
Departmentio	DepartmentNo	Department Name	
	Sales		
11 Employees T	able		
EmployeeID	EmployeeName	DepartmentID	
101	Alice	1 1	
102	Bob	income a second :	

iii). Update data :-

UPDATE Departments

SET DepartmentID = 2

WHERE DepartmentID = 1;

Output :-

11 Departments To	ible
DepartmentID	DepartmentName
2	Sales

	1 EmployeeName	DepastmentID	
101	Alice	2 2	
N). Delete Da			
WHERE Depur	Departments tmentIO = 2;		
Output :-			
11 Departments	Table		
Department 10	Department Nan	me	
(Empty)	(Empty)		
11 Employees T	aple		
1			
EmployeeID	Employee Name	DepurtmentID	