**Stored Procedures (Lab – 2)**

1. **All tables Insert**
   1. **Insert into Department table**

CREATE PROCEDURE PR\_Department\_Insert

@DepartmentID int,

@DepartmentName varchar(100)

AS

BEGIN

INSERT INTO Department

(

DepartmentID,

DepartmentName

)

VALUES

(

@DepartmentID,

@DepartmentName

)

END

* 1. **Insert into Designation table**

CREATE PROCEDURE PR\_Designation\_Insert

@DesignationID int,

@DesignationName varchar(100)

AS

BEGIN

INSERT INTO Designation

(

DesignationID,

DesignationName

)

VALUES

(

@DesignationID,

@DesignationName

)

END

* 1. **Insert into Person table**

CREATE PROCEDURE PR\_PERSON\_Insert

@FirstName varchar(50),

@LastName varchar(50),

@Salary decimal(8,2),

@JoiningDate datetime,

@DepartmentID int,

@DesignationID int

AS

BEGIN

INSERT INTO Person

(

FirstName,

LastName,

Salary,

JoiningDate,

DepartmentID,

DesignationID

)

VALUES

(

@FirstName,

@LastName,

@Salary ,

@JoiningDate ,

@DepartmentID ,

@DesignationID

)

END

1. **All tables Update** 
   1. **Update Department table**

CREATE PROCEDURE PR\_Department\_Update

@DepartmentID int,

@DepartmentName varchar(100)

AS

BEGIN

UPDATE Department

SET

DepartmentName = @DepartmentName

WHERE DepartmentID = @DepartmentID

END

* 1. **Update Designation table**

CREATE PROCEDURE PR\_Designation\_Update

@DesignationID int,

@DesignationName varchar(100)

AS

BEGIN

UPDATE Designation

SET

DesignationName = @DesignationName

WHERE DesignationID = @DesignationID

END

* 1. **Update Person table**

CREATE PROCEDURE PR\_Person\_Update

@WorkerID int,

@FirstName varchar(100),

@LastName varchar(100),

@Salary decimal(8,2),

@JoiningDate datetime,

@DepartmentID int,

@DesignationID int

AS

BEGIN

UPDATE Person

SET

FirstName = @FirstName,

LastName = @LastName,

Salary = @Salary,

JoiningDate = @JoiningDate,

DepartmentID = @DepartmentID,

DesignationID = @DesignationID

WHERE WorkerID = @WorkerID

END

1. **All tables Delete**
   1. **Delete from Department table**

CREATE PROCEDURE PR\_Department\_Delete

@DepartmentID int

AS

BEGIN

DELETE FROM Department

WHERE DepartmentID = @DepartmentID

END

* 1. **Delete from Designation table**

CREATE PROCEDURE PR\_Designation\_Delete

@DesignationID int

AS

BEGIN

DELETE FROM Designation

WHERE DesignationID = @DesignationID

END

* 1. **Delete from Person table**

CREATE PROCEDURE PR\_Person\_Delete

@WorkerID int

AS

BEGIN

DELETE FROM Person

WHERE WorkerID = @WorkerID

END

1. **All tables SelectPK**
   1. **Select from Department table by Primary key**

CREATE PROCEDURE PR\_Department\_SelectPK

@DepartmentID int

AS

BEGIN

SELECT

DepartmentID,

DepartmentName

FROM Department

WHERE DepartmentID = @DepartmentID

END

* 1. **Select from Designation table by Primary key**

CREATE PROCEDURE PR\_Designation\_SelectPK

@DesignationID int

AS

BEGIN

SELECT

DesignationID,

DesignationName

FROM Designation

WHERE DesignationID = @DesignationID

END

* 1. **Select from Person table by Primary key**

CREATE PROCEDURE PR\_Person\_SelectPK

@WorkerID int

AS

BEGIN

SELECT

WorkerID,

FirstName,

LastName,

Salary,

JoiningDate,

DepartmentID,

DesignationID

FROM Person

WHERE WorkerID = @WorkerID

END

1. **All tables SelectAll (If foreign key is available than do join and take columns on select list)**
   1. **Select All from Department table**

CREATE PROCEDURE PR\_Department\_SelectAll

AS

BEGIN

SELECT DepartmentID, DepartmentName

FROM Department

END

* 1. **Select All from Designation table**

CREATE PROCEDURE PR\_Designation\_SelectAll

AS

BEGIN

SELECT DesignationID, DesignationName

FROM Designation

END

* 1. **Select All from Person table**

CREATE PROCEDURE PR\_Person\_SelectAll

AS

BEGIN

SELECT

Person.WorkerID,

Person.FirstName,

Person.LastName,

Person.Salary,

Person.JoiningDate,

Department.DepartmentName,

Designation.DesignationName

FROM Person

LEFT OUTER JOIN Department

ON Person.DepartmentID=Department.DepartmentID

LEFT OUTER JOIN Designation

ON Person.DesignationID=Designation.DesignationID

END

**Stored Procedures (Lab – 3)**

1. **Create Procedure that show detail of first 3 persons.**

CREATE PROCEDURE PR\_SelectFirstThree\_Person

AS

BEGIN

SELECT TOP 3

Person.WorkerID,

Person.FirstName,

Person.LastName,

Person.Salary,

Person.JoiningDate,

Department.DepartmentName,

Designation.DesignationName

FROM Person

LEFT OUTER JOIN Department

ON Person.DepartmentID=Department.DepartmentID

LEFT OUTER JOIN Designation

ON Person.DesignationID=Designation.DesignationID

END

1. **Create Procedure that takes department dame as input and returns a table with all workers working in that department.**

CREATE PROCEDURE PR\_Person\_SelectByDepartmentName

@DepartmentName varchar(50)

AS

BEGIN

SELECT

Person.FirstName,

Department.DepartmentName

FROM Person

LEFT OUTER JOIN Department

ON Person.DepartmentID=Department.DepartmentID

WHERE Department.DepartmentName=@DepartmentName

END

1. **Create Procedure that takes department name & designation name as input and returns a table with worker’s first name, salary, joining date & department name.**

CREATE PROCEDURE PR\_Person\_SelectByDesignationNameDepartmentName

@DepartmentName varchar(200),

@DesignationName varchar(250)

AS

BEGIN

SELECT

Person.FirstName,

Person.Salary,

Person.JoiningDate,

Department.DepartmentName

FROM Person

LEFT OUTER JOIN Department

ON Department.DepartmentID = Person.DepartmentID

LEFT OUTER JOIN Designation

ON Designation.DesignationID = Person.DesignationID

WHERE DesignationName = @DesignationName

AND DepartmentName = @DepartmentName

END

1. **Create Procedure that takes first name as an input parameter and display all the details of the worker with their department & designation name.**

CREATE PROCEDURE PR\_Person\_SelectByFirstName

@FirstName varchar(200)

AS

BEGIN

SELECT

Person.WorkerID,

Person.FirstName,

Person.LastName,

Person.Salary,

Person.JoiningDate,

Department.DepartmentName,

Designation.DesignationName

FROM Person

LEFT OUTER JOIN Department

ON Department.DepartmentID = Person.DepartmentID

LEFT OUTER JOIN Designation

ON Designation.DesignationID = Person.DesignationID

WHERE FirstName = @FirstName

END

1. **Create Procedure which displays department wise maximum, minimum & total salaries.**

CREATE PROCEDURE PR\_Person\_MaxMinTotalSalary\_DepartmentWise

AS

BEGIN

SELECT

Department.DepartmentName,

MAX(Person.salary) as MaxSalary,

MIN(Person.salary) as MinSalary,

SUM(Person.salary) as TotalSalary

FROM Person

INNER JOIN Department

ON Department.DepartmentID = Person.DepartmentID

GROUP BY Department.DepartmentName

END

1. **Create Procedure which displays designation wise maximum, minimum & total salaries.**

CREATE PROCEDURE PR\_Person\_MaxMinTotalSalary\_DesignationWise

AS

BEGIN

SELECT

Designation.DesignationName,

MAX(Person.salary) as MaxSalary,

MIN(Person.salary) as MinSalary,

SUM(Person.salary) as TotalSalary

FROM Person

INNER JOIN Designation

ON Designation.DesignationID = Person.DesignationID

GROUP BY Designation.DesignationName

END