SQL Reports & Loaded data assignment

**Team member : Faryal Khan**

**--Create Scripts**

create table Employee (

Employee\_Id int not null,

DepartmentId varchar(33)not null,

Employee\_Title varchar(33)not null ,

From\_Date Date not null,

To\_Date Date ,

isAdmin varchar(10),

[IsDeleted] bit NOT NULL DEFAULT 0

);

GO

create table Department (

DepartmentId varchar(33)not null,

Employee\_Id int not null,

Department\_Name varchar(255)not null,

Department\_Description varchar(255),

[IsDeleted] bit NOT NULL DEFAULT 0,

);

GO

create table Hats (

Hat\_ID int not null,

Merchandise\_Type\_ID int not null,

Hat\_ColorID int not null ,

Hat\_price float not null,

[IsDeleted] bit NOT NULL DEFAULT 0

);

GO

create table EmployeeInformation (

Employee\_Information\_Id varchar(20) not null,

Employee\_Id int not null,

First\_name varchar(25),

Middle\_Initial varchar (25),

Last\_name varchar(20),

Last\_4\_of\_SSN INT,

DOB DATE,

isActive varchar(4),

Employee\_Address NVARCHAR(100),

City varchar(20),

State varchar(20),

Zip\_Code int,

Country\_ID int,

[IsDeleted] bit NOT NULL DEFAULT 0

);

GO

create table Hat\_Color (

Hat\_ColorID int not null,

Color varchar(25) not null,

Hat\_Description varchar(25) not null,

[IsDeleted] bit NOT NULL DEFAULT 0

);

GO

create table Employee\_Location(

Employee\_Location\_ID varchar(200)not null,

Employee\_Id int not null,

Brewery\_ID int not null,

[isDeleted] bit not null default 0

);

GO

**PRIMARY KEYS**

--Employee PK

ALTER TABLE Employee Add

Constraint [PK\_Employee] PRIMARY KEY CLUSTERED (Employee\_Id);

--Department PK

ALTER TABLE Department Add

Constraint [PK\_Department] PRIMARY KEY (DepartmentId);

--EmployeeInformation PK

ALTER TABLE EmployeeInformation Add

Constraint [PK\_EmployeeInformation] PRIMARY KEY (Employee\_Information\_Id);

--Hat\_Color PK

ALTER TABLE Hat\_Color Add

Constraint [PK\_Hat\_Color] PRIMARY KEY (Hat\_ColorID);

--Hats PK

ALTER TABLE Hats Add

Constraint [PK\_Hats] PRIMARY KEY (Hat\_ID);

--EmployeeLocation PK

ALTER TABLE Hats Add

Constraint [PK\_EmployeeLocation] PRIMARY KEY (Employee\_Location\_ID);

**FOREIGN KEY**

ALTER TABLE Employee

ADD CONSTRAINT FK\_Depid

FOREIGN KEY (DepartmentId)

REFERENCES Department(DepartmentId);

ALTER TABLE EmployeeInformation

ADD CONSTRAINT FK\_Empid

FOREIGN KEY (Employee\_Id)

REFERENCES Employee(Employee\_Id);

ALTER TABLE Hats

ADD CONSTRAINT FK\_Hat\_ColorID

FOREIGN KEY (Hat\_ColorID)

REFERENCES Hat\_Color(Hat\_ColorID);

ALTER TABLE Employee\_Location

ADD CONSTRAINT FK\_Empidtwo

FOREIGN KEY (Employee\_Id)

REFERENCES Employee(Employee\_Id);

--ALTER TABLE Hats

--ADD CONSTRAINT FK\_MERCH

--FOREIGN KEY ([Merchandise\_Type\_ID])

--REFERENCES Merchandise Type([Merchandise\_Type\_ID]);

**INSERT SCRIPTS**

Use klaus

INSERT INTO [dbo].[Hat\_Color]

([Hat\_ColorID]

,[Color],Hat\_Description)

VALUES

(926,'Pink','Womens beach hat')

GO

--Insert into Department table

Use klaus

INSERT INTO Department (DepartmentId,Employee\_Id, Department\_Name,Department\_Description)

VALUES ('1231',76,'Management' , 'Consists of Brewery Managers responsible for management regarding brew making, sales and other components');

SELECT \* FROM Department

**UPDATE SCRIPTS**

--Update Hatcolor

UPDATE [Hat\_Color]

SET [Color] = 'Pink'

WHERE [Color] = 'Purple';

SELECT \* FROM [Hat\_Color]

--Update Department

UPDATE Department

SET DepartmentId = 600

WHERE DepartmentId = 1231;

SELECT \* FROM Department

**DELETE SCRIPTS**

--Hat color Soft Delete Trigger

CREATE OR ALTER TRIGGER SoftDelete\_HATCO ON [Hat\_Color]

INSTEAD OF DELETE AS

BEGIN

SET NOCOUNT ON;

UPDATE [Hat\_Color]

SET [IsDeleted] = 1

WHERE [Hat\_ColorID] IN (SELECT [Hat\_ColorID] FROM DELETED);

END

GO

--Hat color Delete

DELETE FROM [Hat\_Color] WHERE [Hat\_ColorID] = 6932;

SELECT \* FROM [Hat\_Color]

--Department Soft Delete Trigger

CREATE OR ALTER TRIGGER SoftDelete\_Department ON Department

INSTEAD OF DELETE AS

BEGIN

SET NOCOUNT ON;

UPDATE Department

SET [IsDeleted] = 1

WHERE Department\_name IN (SELECT Department\_name FROM DELETED);

END

GO

-- Delete

DELETE FROM Department WHERE Department\_Name = 'Finance';

SELECT \* FROM Department

**Reports**

Business Report 1

Report Name =

Report Description =