**SQLServer**

**Lab**

1. Create a cursor for Employee table that increases Employee salary by 10% if Salary <3000 and increases it by 20% if Salary >=3000. Use company DB
2. Display Department name with its manager name using cursor. Use ITI DB
3. Try to display all students first name in one cell separated by comma. Using Cursor
4. Create full, differential Backup for SD DB.
5. Use import export wizard to display student’s data (ITI DB) in excel sheet
6. Try to generate script from DB ITI that describes all tables and views in this DB
7. Create a sequence object that allow values from 1 to 10 without cycling in a specific column and test it. (self study)
8. Display all the data from the Employee table (HumanResources Schema)

As an XML document “Use XML Raw”. “Use Adventure works DB”

1. Elements
2. Attributes
3. Display Each Department Name with its instructors. “Use ITI DB”
4. Use XML Auto
5. Use XML Path
6. Use the following variable to create a new table “customers” inside the company DB.

Use OpenXML

declare @docs xml ='<customers>

<customer FirstName="Bob" Zipcode="91126">

<order ID="12221">Laptop</order>

</customer>

<customer FirstName="Judy" Zipcode="23235">

<order ID="12221">Workstation</order>

</customer>

<customer FirstName="Howard" Zipcode="20009">

<order ID="3331122">Laptop</order>

</customer>

<customer FirstName="Mary" Zipcode="12345">

<order ID="555555">Server</order>

</customer>

</customers>'

1. Create snapshot on SD DB
2. Transform all functions in lab6 to stored procedures

Part2:

What is the difference between the following objects in SQL Server

1. batch, script and transaction
2. trigger and stored procedure
3. stored procedure and functions
4. drop, truncate and delete statement
5. select and select into statement
6. local and global variables
7. convert and cast statements
8. DDL,DML,DCL,DQL and TCL
9. For xml raw and for xml auto
10. Table valued and multi statemcent function
11. Varchar(50) and varchar(max)
12. Datetime, datetime2(7) and datetimeoffset(7)
13. Default instance and named instance
14. SQL and windows Authentication
15. Clustered and non-clustered index
16. Group by rollup and group by cube
17. Sequence object and identity
18. Inline function and view
19. Table variable and temporary table
20. Row\_number() and dense\_Rank() function