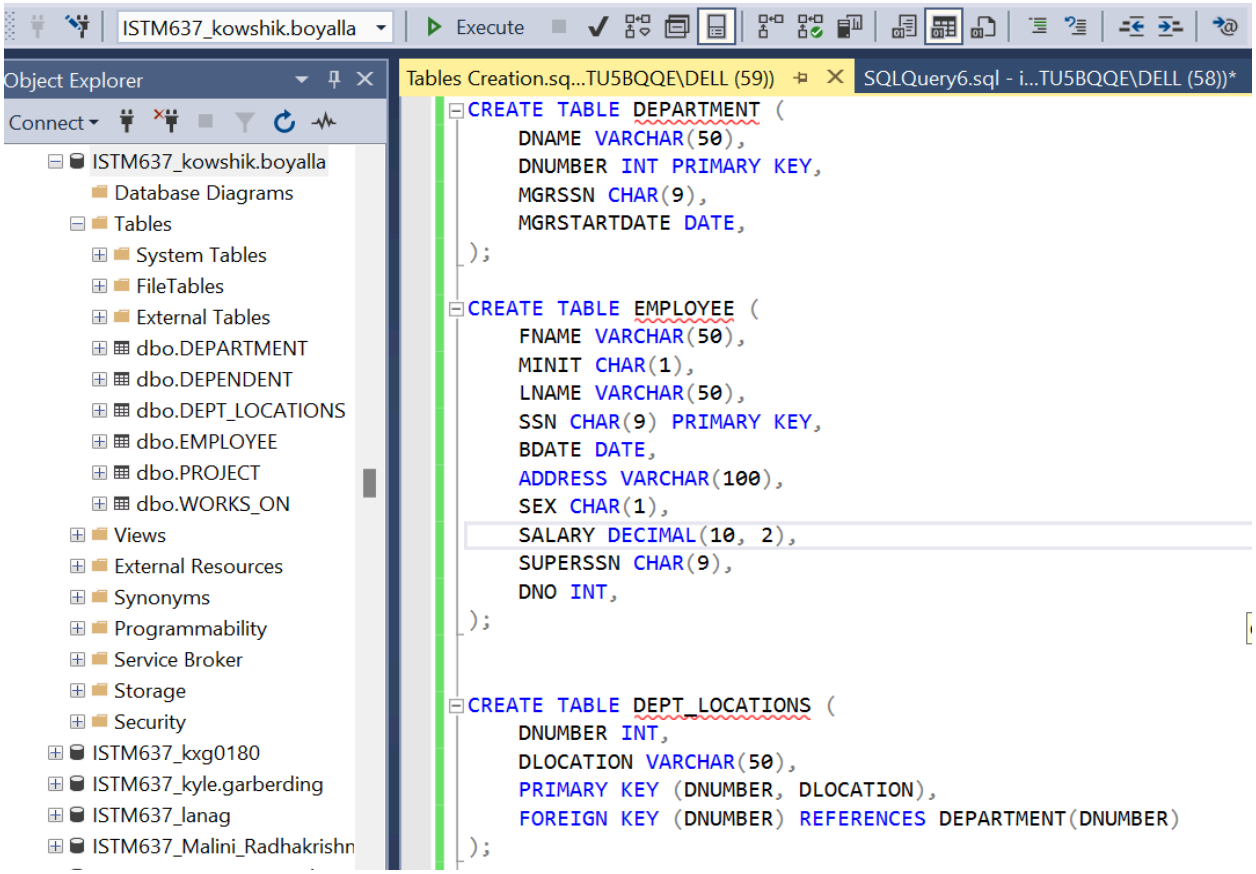
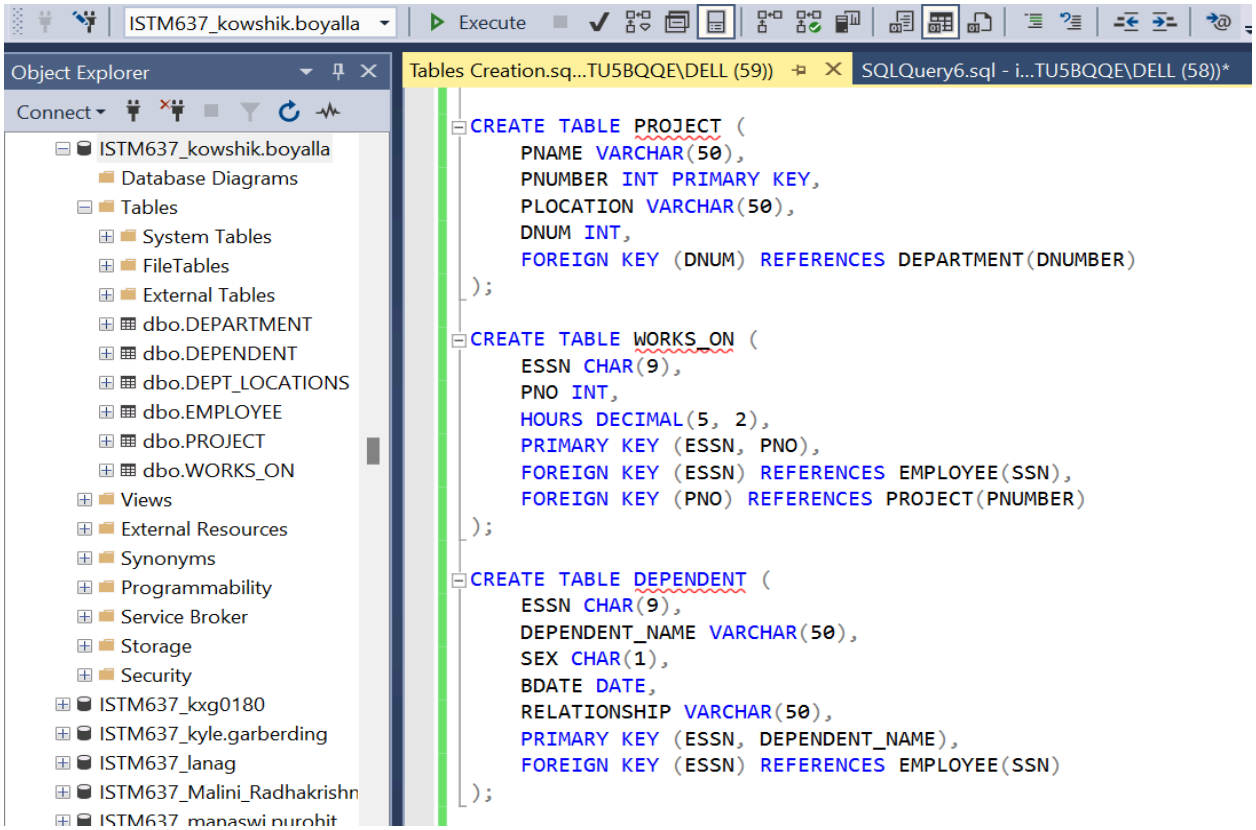
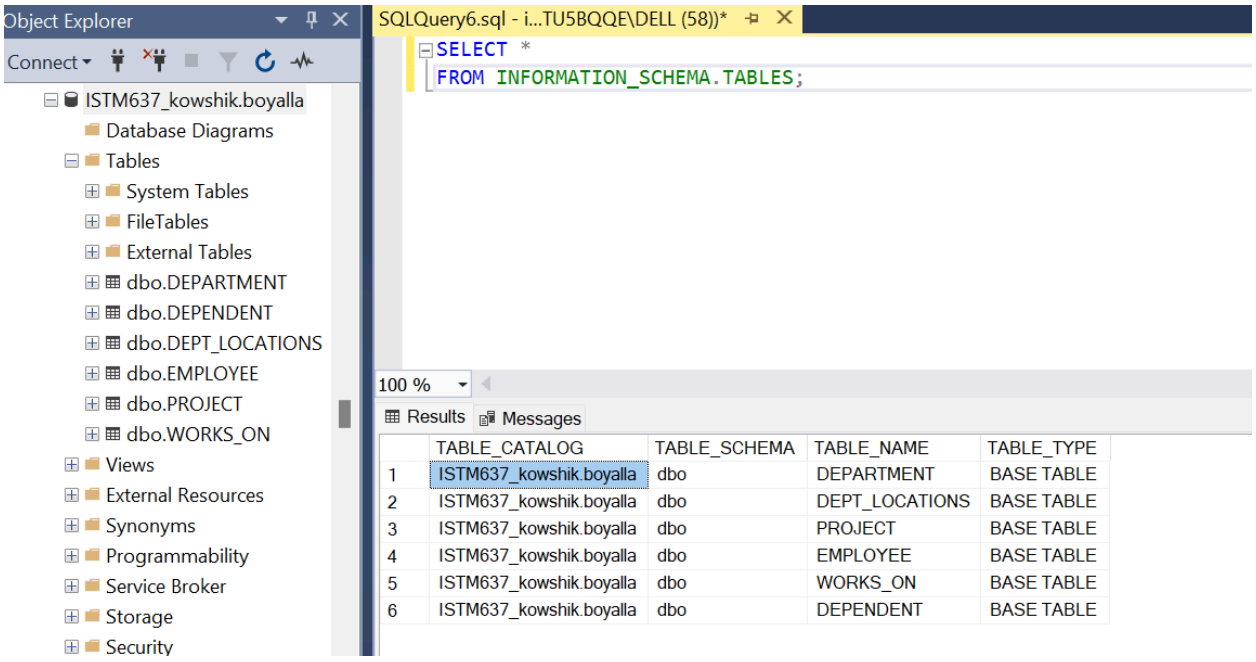
Name: Sri Sai Kowshik Reddy Boyalla
UIN:734003625
ISTM - 637
Cohort - 2

1) Table Creation

Code:

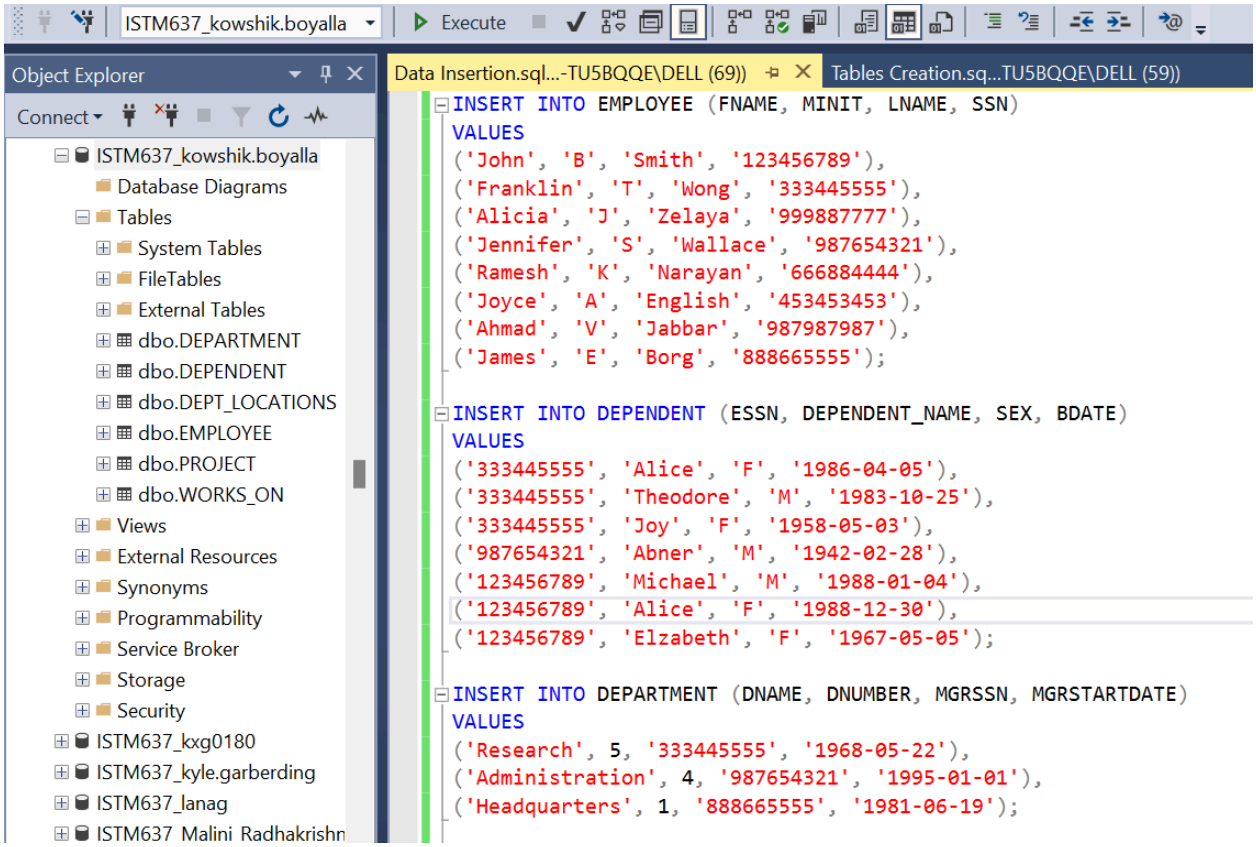


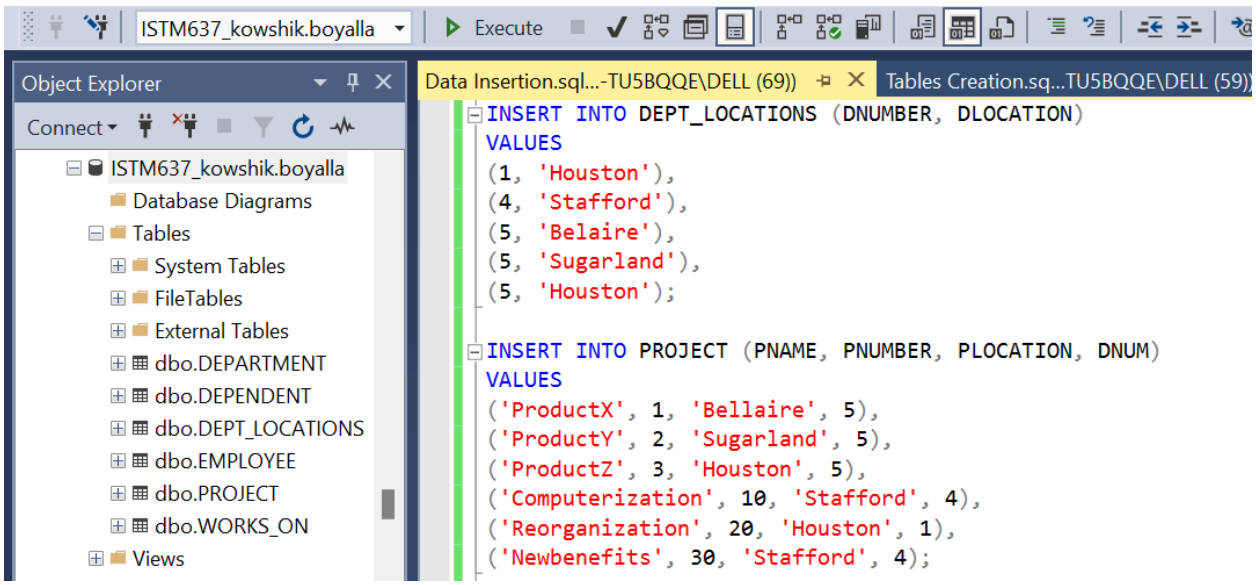

ISTM637_kowshik.boyalla
Execute
Object Explorer
Connect
ISTM637_kowshik.boyalla
Database Diagrams
Tables
System Tables
FileTables
External Tables
dbo.DEPARTMENT
dbo.DEPENDENT
dbo.DEPT_LOCATIONS
dbo.EMPLOYEE
dbo.PROJECT
dbo.WORKS_ON
Views
External Resources
Synonyms
Programmability
Service Broker
Storage
Security
ISTM637_kxg0180
ISTM637_kyle.garberding
ISTM637_lanag
ISTM637_Malini_Radhakrishn
Tables Creation.sq...TU5BQQE\DELL (59))
SQLQuery6.sql - i...TU5BQQE\DELL (58))*
CREATE TABLE PROJECT (
PNAME VARCHAR(50),
PNUMBER INT PRIMARY KEY,
PLOCATION VARCHAR(50),
DNUM INT,
FOREIGN KEY (DNUM) REFERENCES DEPARTMENT(DNUMBER)
);
CREATE TABLE WORKS_ON (
ESSN CHAR(9),
PNO INT,
HOURS DECIMAL(5, 2),
PRIMARY KEY (ESSN, PNO),
FOREIGN KEY (ESSN) REFERENCES EMPLOYEE(SSN),
FOREIGN KEY (PNO) REFERENCES PROJECT(PNUMBER)
);
CREATE TABLE DEPENDENT (
ESSN CHAR(9),
DEPENDENT_NAME VARCHAR(50),
SEX CHAR(1),
BDATE DATE,
RELATIONSHIP VARCHAR(50),
PRIMARY KEY (ESSN, DEPENDENT_NAME),
FOREIGN KEY (ESSN) REFERENCES EMPLOYEE(SSN)
);

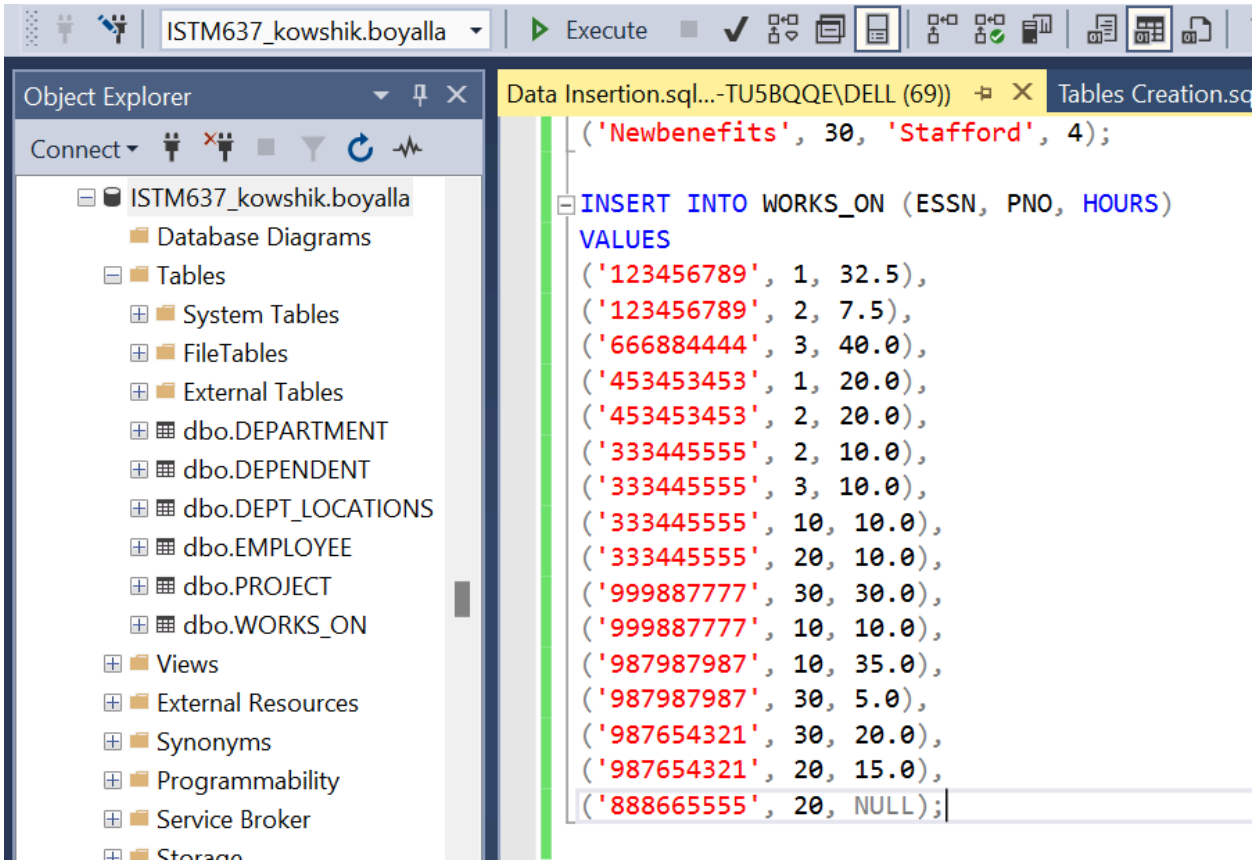

Object Explorer
Connect
ISTM637_kowshik.boyalla
Database Diagrams
Tables
System Tables
FileTables
External Tables
dbo.DEPARTMENT
dbo.DEPENDENT
dbo.DEPT_LOCATIONS
dbo.EMPLOYEE
dbo.PROJECT
dbo.WORKS_ON
Views
External Resources
Synonyms
Programmability
Service Broker
Storage
Security
SQLQuery6.sql - i...TU5BQQE\DELL (58))*
SELECT *
FROM INFORMATION_SCHEMA.TABLES;
100 %
Results
Messages
TABLE_CATALOG TABLE_SCHEMA TABLE_NAME TABLE_TYPE
1 ISTM637_kowshik.boyalla dbo DEPARTMENT BASE TABLE
2 ISTM637_kowshik.boyalla dbo DEPT_LOCATIONS BASE TABLE
3 ISTM637_kowshik.boyalla dbo PROJECT BASE TABLE
4 ISTM637_kowshik.boyalla dbo EMPLOYEE BASE TABLE
5 ISTM637_kowshik.boyalla dbo WORKS_ON BASE TABLE
6 ISTM637_kowshik.boyalla dbo DEPENDENT BASE TABLE

2) Data Insertion

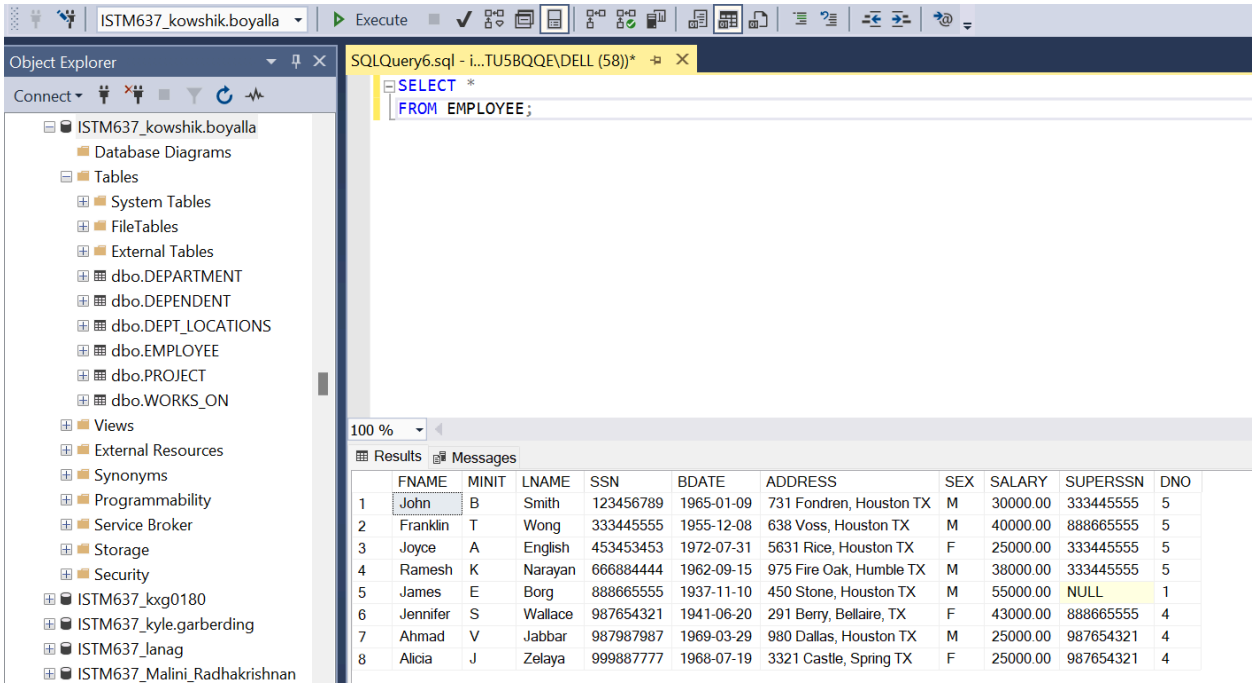
Code:





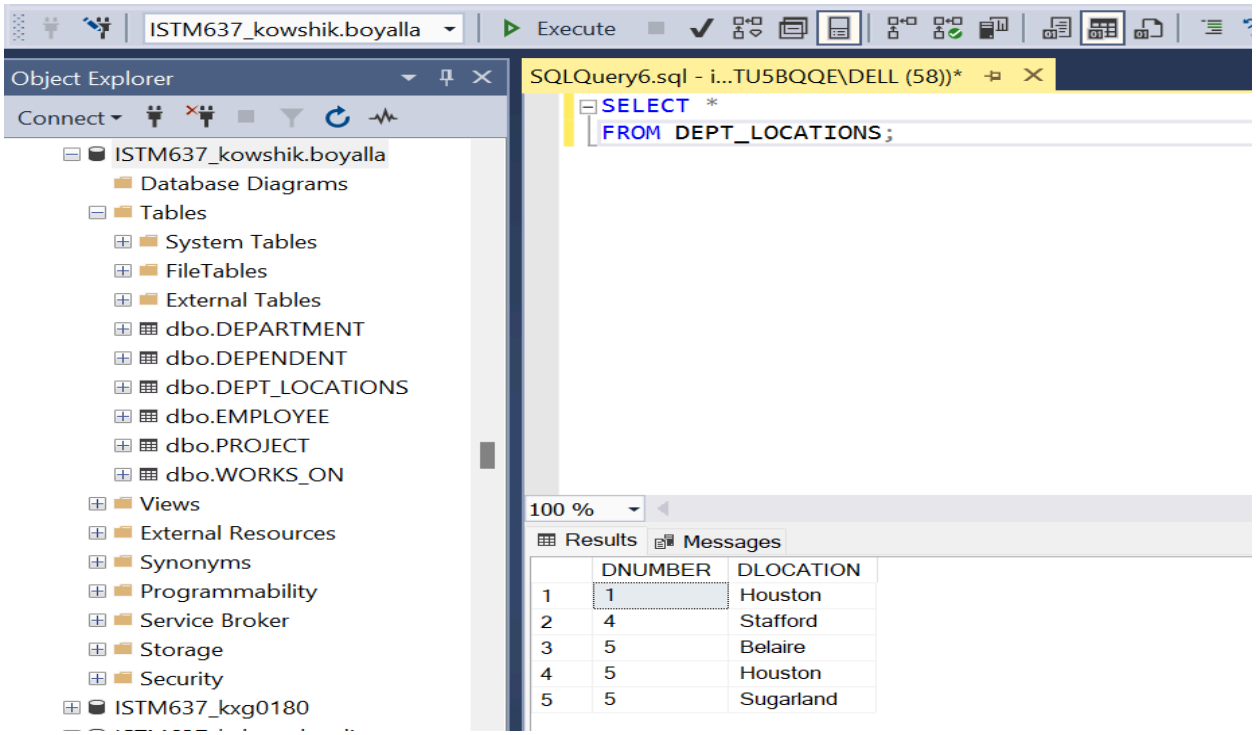


EMPLOYEE Table - Data Insertion:

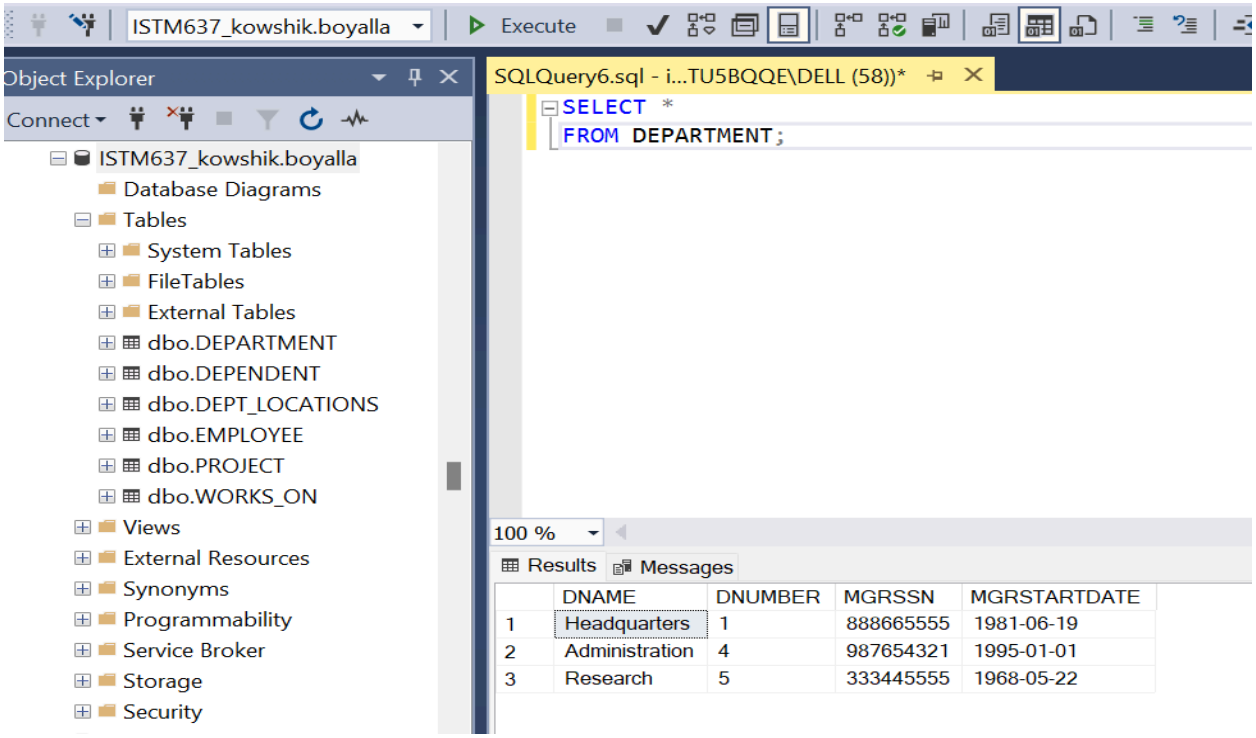


	FNAME	MINIT	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO
1	John	B	Smith	123456789	1965-01-09	731 Fondren, Houston TX	M	30000.00	333445555	5
2	Franklin	T	Wong	333445555	1955-12-08	638 Voss, Houston TX	M	40000.00	888665555	5
3	Joyce	A	English	453453453	1972-07-31	5631 Rice, Houston TX	F	25000.00	333445555	5
4	Ramesh	K	Narayan	666884444	1962-09-15	975 Fire Oak, Humble TX	M	38000.00	333445555	5
5	James	E	Borg	888665555	1937-11-10	450 Stone, Houston TX	M	55000.00	NULL	1
6	Jennifer	S	Wallace	987654321	1941-06-20	291 Berry, Bellaire, TX	F	43000.00	888665555	4
7	Ahmad	V	Jabbar	987987987	1969-03-29	980 Dallas, Houston TX	M	25000.00	987654321	4
8	Alicia	J	Zelaya	999887777	1968-07-19	3321 Castle, Spring TX	F	25000.00	987654321	4

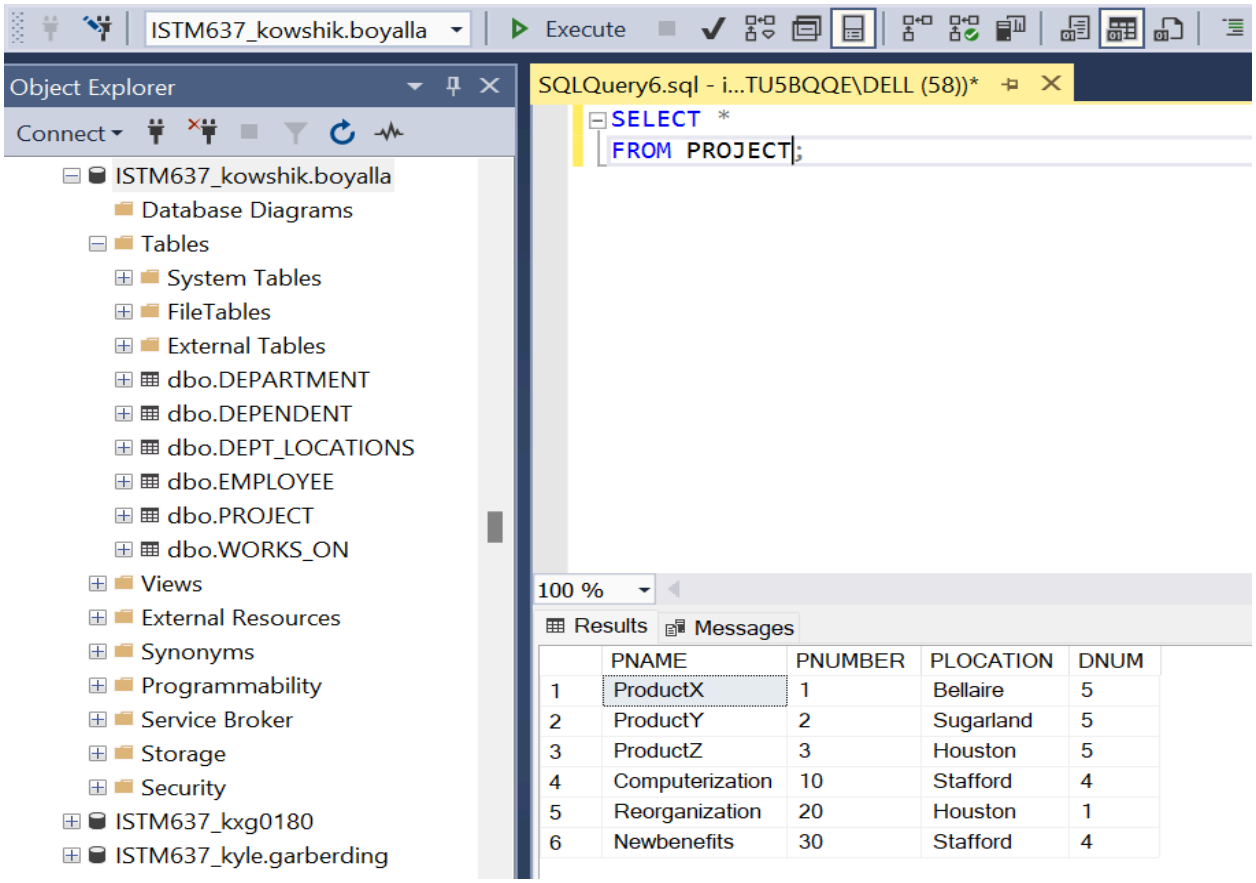
DEPT_LOCATIONS Table - Data Insertion



DEPARTMENT Table - Data Insertion

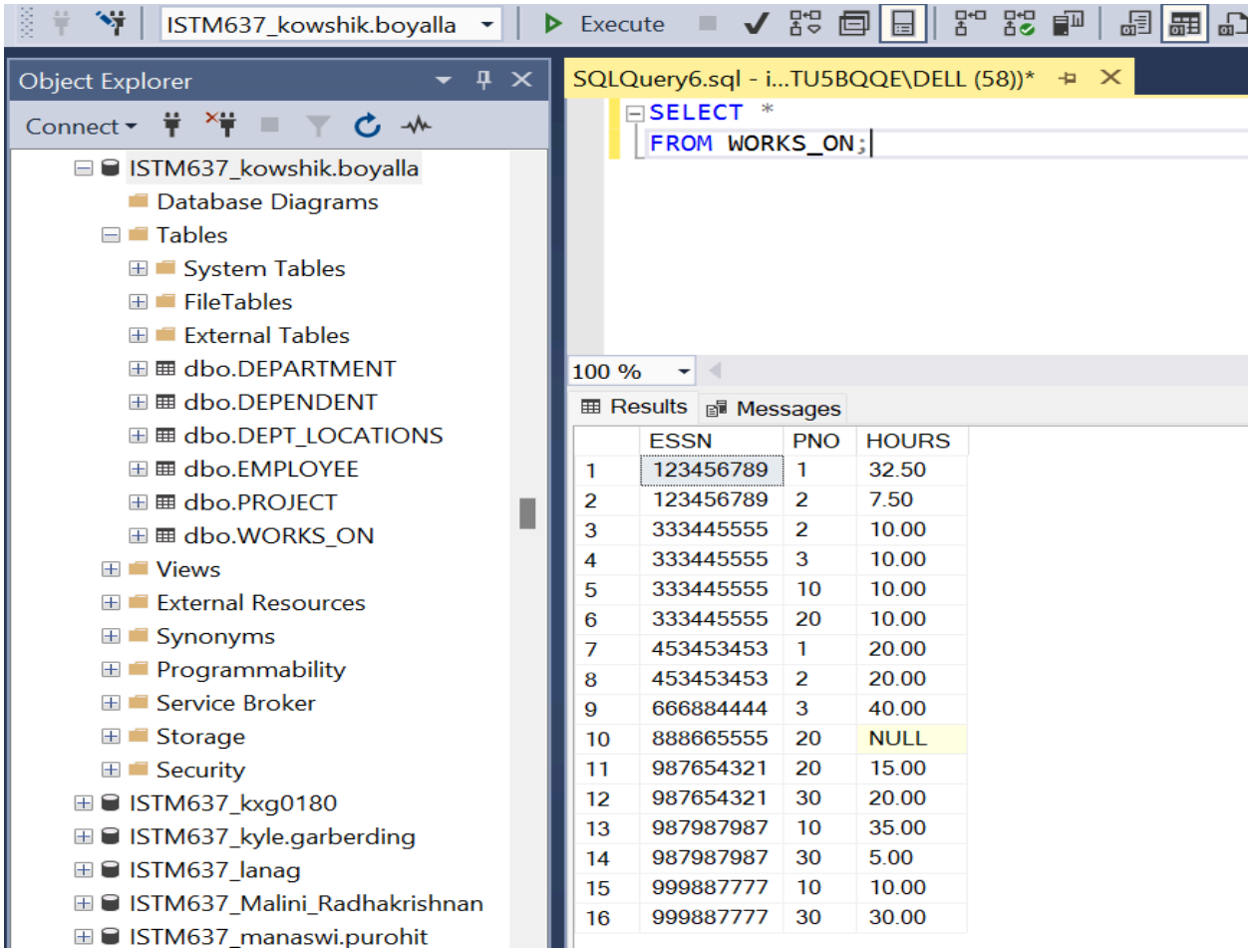


PROJECT Table - Data Insertion



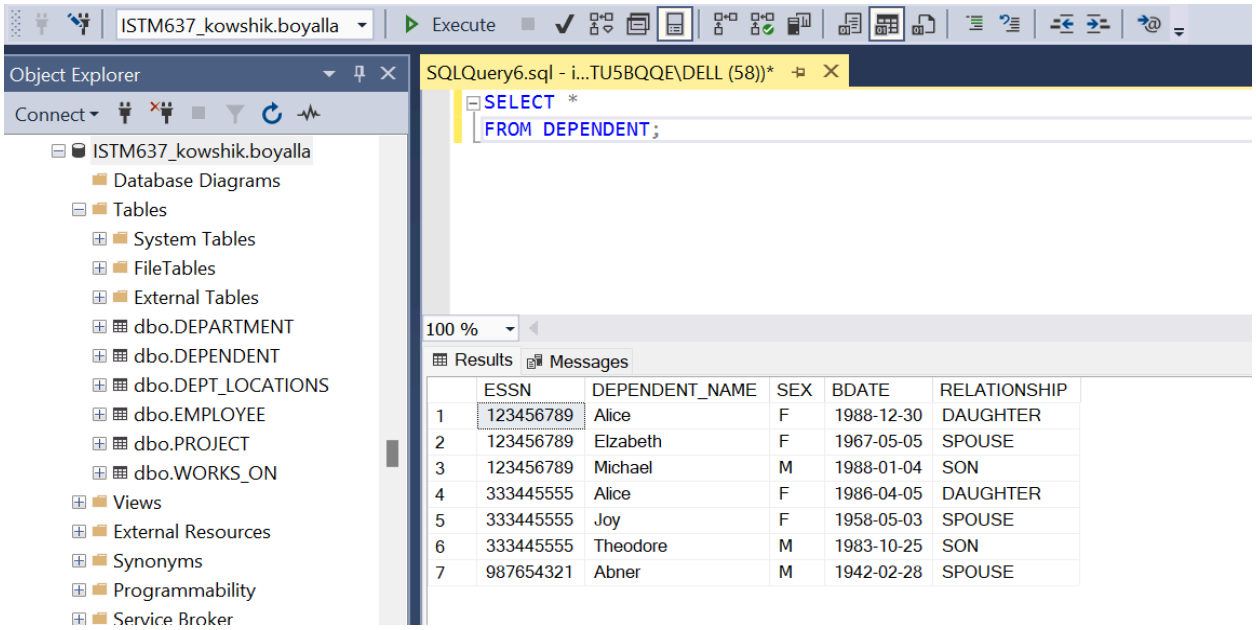
	PNAME	PNUMBER	PLOCATION	DNUM
1	ProductX	1	Bellaire	5
2	ProductY	2	Sugarland	5
3	ProductZ	3	Houston	5
4	Computerization	10	Stafford	4
5	Reorganization	20	Houston	1
6	Newbenefits	30	Stafford	4

WORKS_ON Table - Data Insertion



	ESSN	PNO	HOURS
1	123456789	1	32.50
2	123456789	2	7.50
3	333445555	2	10.00
4	333445555	3	10.00
5	333445555	10	10.00
6	333445555	20	10.00
7	453453453	1	20.00
8	453453453	2	20.00
9	666884444	3	40.00
10	888665555	20	NULL
11	987654321	20	15.00
12	987654321	30	20.00
13	987987987	10	35.00
14	987987987	30	5.00
15	999887777	10	10.00
16	999887777	30	30.00

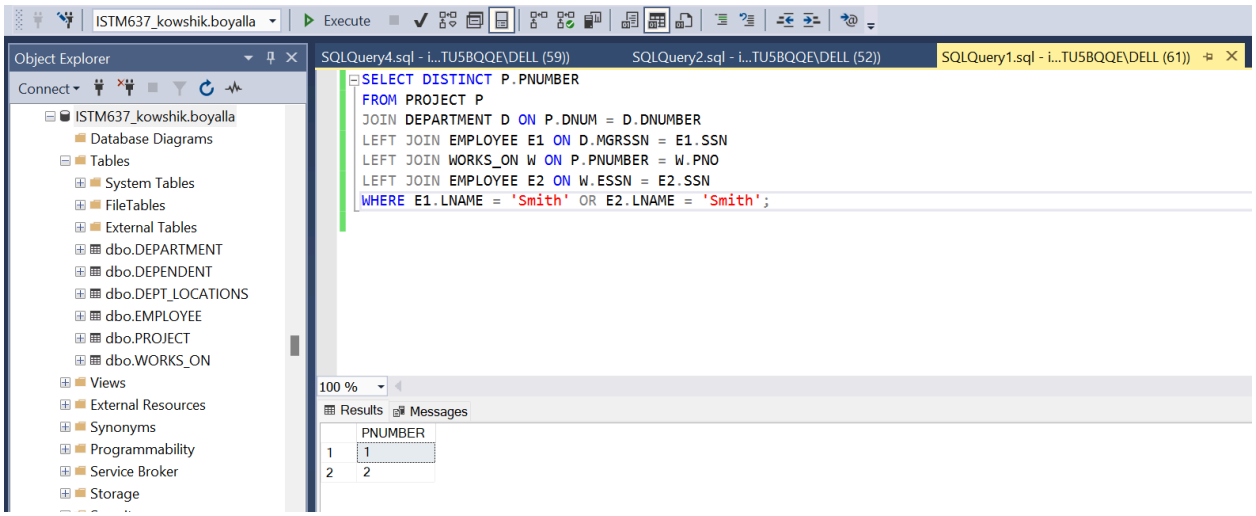
DEPENDENT Table - Data Insertion



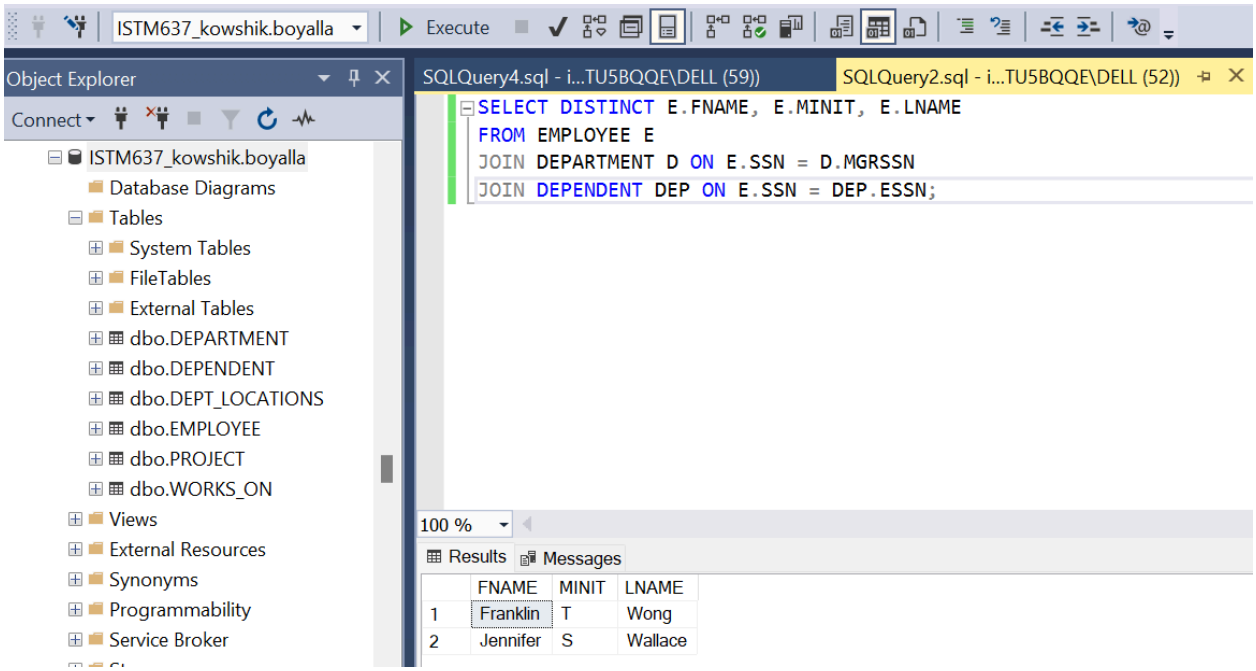
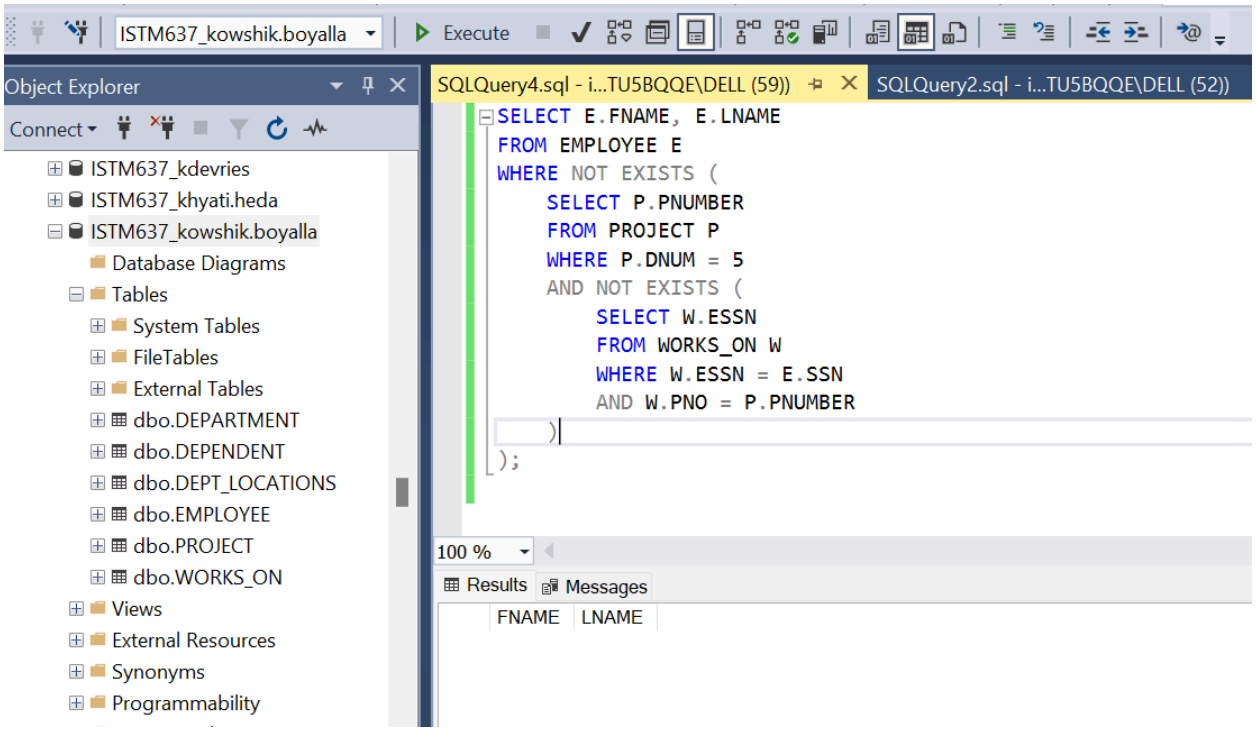
	ESSN	DEPENDENT_NAME	SEX	BDATE	RELATIONSHIP
1	123456789	Alice	F	1988-12-30	DAUGHTER
2	123456789	Elzabeth	F	1967-05-05	SPOUSE
3	123456789	Michael	M	1988-01-04	SON
4	333445555	Alice	F	1986-04-05	DAUGHTER
5	333445555	Joy	F	1958-05-03	SPOUSE
6	333445555	Theodore	M	1983-10-25	SON
7	987654321	Abner	M	1942-02-28	SPOUSE

3) Query Design and Execution

Query 1 and Result:



Query 2 and Result:



Query 3 and Result: