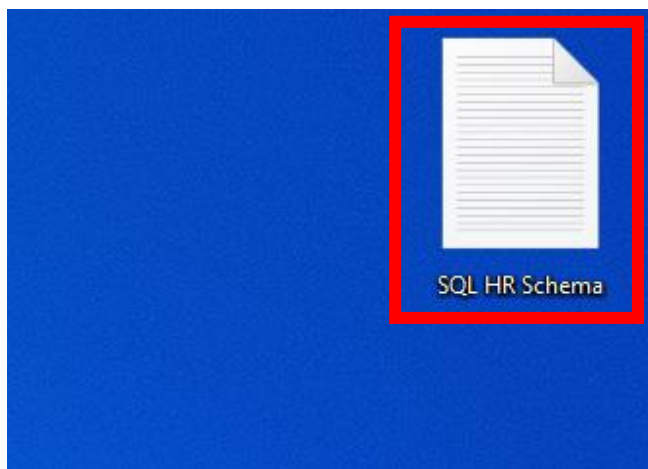


Tutorial – Make a Human Resource Database using SQL Management Studio

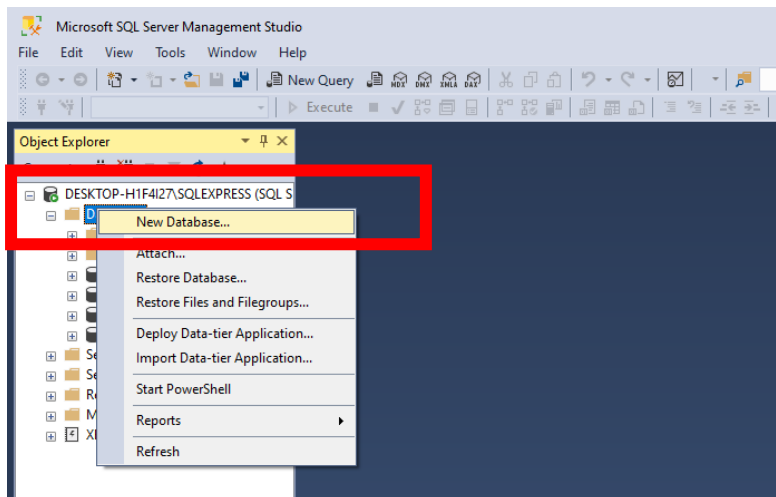
Author: Bilal Khalid Dar

Note: Before starting the following steps make sure that you have downloaded SQL Server Management Studio and SQL Sever

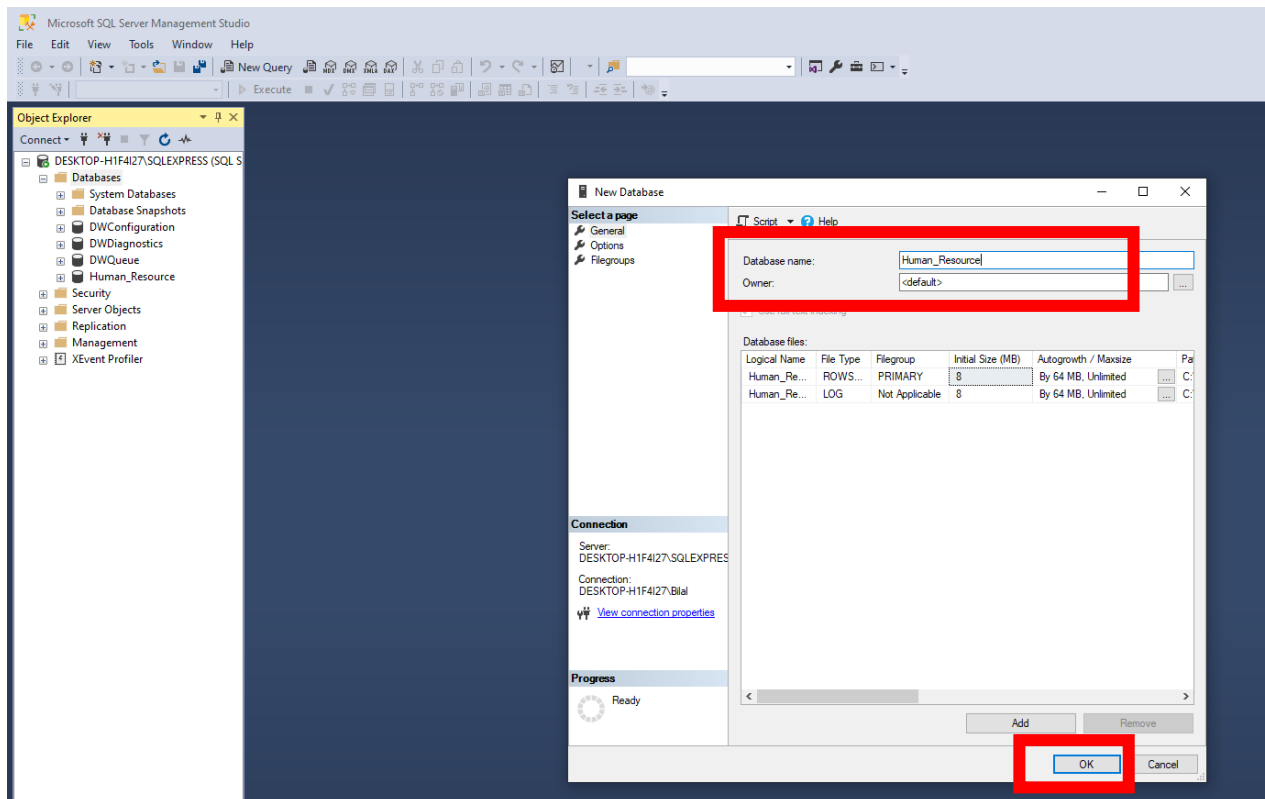
Step 1: Download HR SQL file from Google Classroom



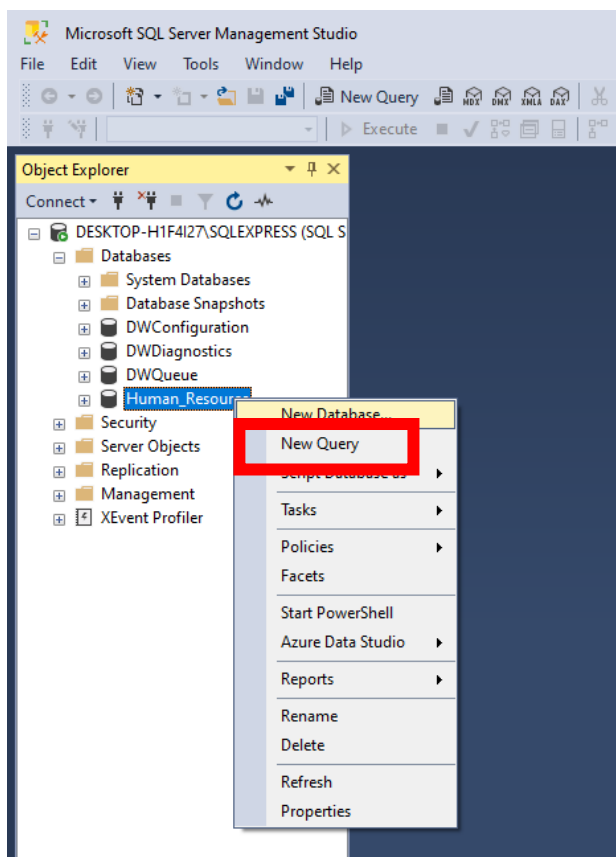
Step 2: Open SQL Server Management Studio, on the left side, you will see database option, right click and select “**New Database**” option.



Step 3: Name your database “**Human_Resource**” and then click **OK**



Step 4: After clicking ok, you would be able to see the Human Resource DB in your Database list. Right click Human Resource and then click “**New Query**”



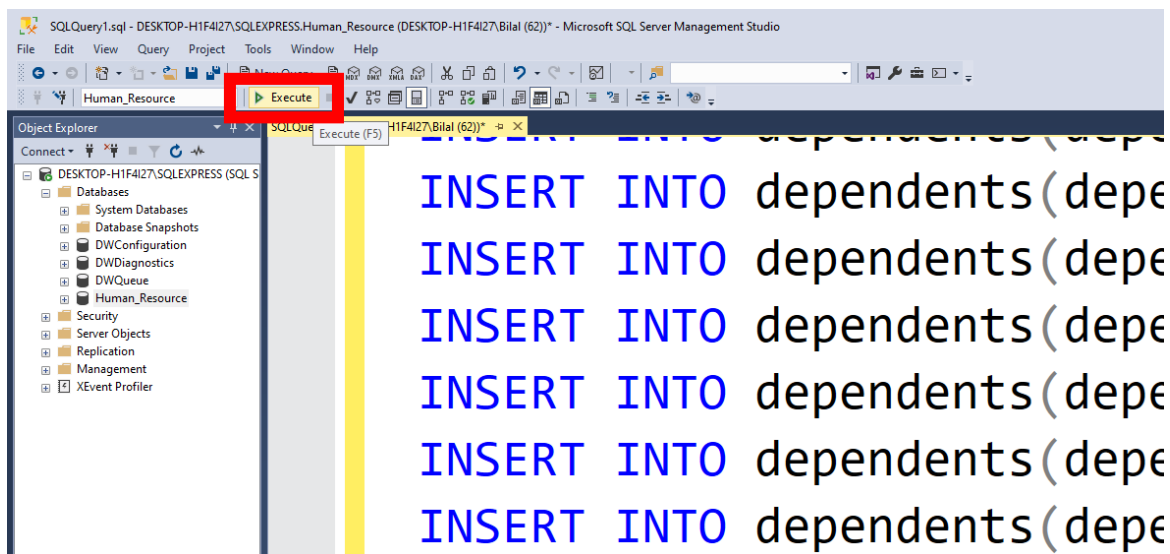
Step 5: Copy all the content from the file downloaded from the Google Classroom.

```
SQL HR Schema - Notepad
File Edit Format View Help

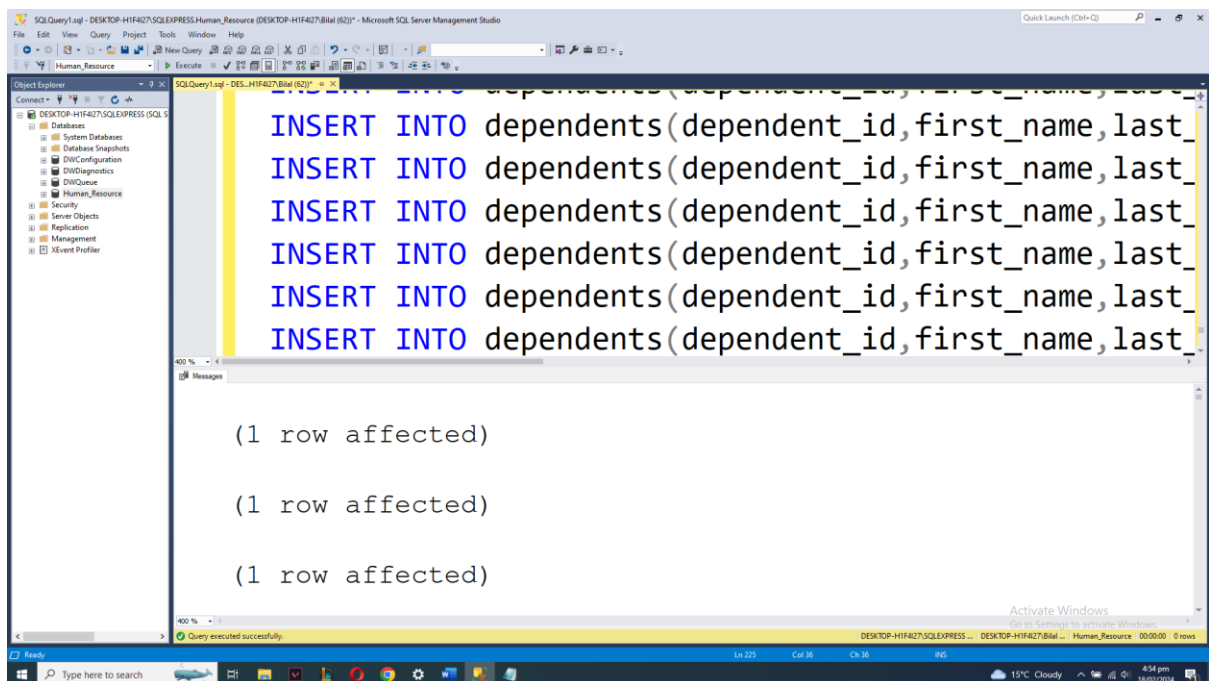
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (122,'Payam','Kaufing','payam.kaufing@sqltutorial.org','650.123.3234','1995-05-01',19,7000,0,100,5);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (123,'Shanta','Wollman','shanta.wollman@sqltutorial.org','650.123.4234','1997-10-10',19,6000,0,100,5);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (126,'Irene','Mikkilineni','irene.mikkilineni@sqltutorial.org','650.124.1224','1998-09-28',19,7200,0,120,5);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (145,'John','Russell','john.russell@sqltutorial.org','MAIL','1998-10-01',15,14000,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (146,'Karen','Partners','karen.partners@sqltutorial.org','MAIL','1997-01-05',15,13500,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (176,'Jonathan','Taylor','jonathan.taylor@sqltutorial.org','MAIL','1998-03-24',16,8600,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (177,'Jack','Livingston','jack.livingston@sqltutorial.org','MAIL','1998-04-23',16,8400,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (178,'Kimberly','Grant','kimberly.grant@sqltutorial.org','MAIL','1999-05-24',15,7000,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (179,'Charles','Johnson','charles.johnson@sqltutorial.org','MAIL','2000-01-04',16,6200,0,100,8);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (192,'Sarah','Bell','sarah.bell@sqltutorial.org','650.501.1076','1996-02-04',17,4000,0,123,5);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (193,'Britney','Everett','britney.everett@sqltutorial.org','650.501.2076','1997-03-03',17,3900,0,123,5);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (200,'Jennifer','Whalen','jennifer.whelan@sqltutorial.org','515.123.4444','1987-09-17',3,4400,0,101,1);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (201,'Michael','Hartstein','michael.hartstein@sqltutorial.org','515.123.5555','1996-02-17',10,13000,0,100,10);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (202,'Pat','Fay','pat.fay@sqltutorial.org','603.123.6666','1997-08-17',11,6000,0,201,1);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (203,'Susan','Mavris','susan.mavris@sqltutorial.org','515.123.7777','1994-06-07',8,6500,0,101,4);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (204,'Hermann','Baer','hermann.baer@sqltutorial.org','515.123.8888','1994-06-07',12,10000,0,101,7);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (205,'Shelley','Higgins','shelley.higgins@sqltutorial.org','515.123.8000','1994-06-07',2,12000,0,101,11);
INSERT INTO employees(employee_id,first_name,last_name,email,phone_number,hire_date,job_id,salary,manager_id,department_id) VALUES (206,'William','Gietz','william.gietz@sqltutorial.org','515.123.8101','1994-06-07',1,8500,0,205,11);
SET IDENTITY INSERT employees OFF;

Data for the table dependents
SET IDENTITY INSERT dependents ON;
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (1,'Penelope','Gietz','Child',206);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (2,'Rick','Higgins','Child',205);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (3,'Ez','Whalen','Child',200);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (4,'Jennifer','King','Child',100);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (5,'Johnny','Kochhar','Child',101);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (6,'Bette','De Russ','Child',103);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (7,'Grace','Faviet','Child',199);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (8,'Matthew','Chen','Child',110);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (9,'Soo','Sciarras','Child',111);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (10,'Christian','Ulman','Child',112);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (11,'Zero','Popp','Child',113);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (12,'Karl','Greenberg','Child',100);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (13,'Uma','Hartstein','Child',201);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (14,'Vivian','Humold','Child',103);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (15,'Cuba','Ernst','Child',104);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (16,'Fred','Austin','Child',105);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (17,'Helen','Pataballa','Child',106);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (18,'Dan','Lorentz','Child',107);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (19,'Roo','Hartstein','Child',201);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (20,'Lucille','Fay','Child',202);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (21,'Kirsten','Baer','Child',204);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (22,'Elvis','Khoo','Child',115);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (23,'Sandra','Balide','Child',116);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (24,'Cameron','Tobias','Child',117);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (25,'Kevin','Mimuro','Child',118);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (26,'Rip','Colomarese','Child',119);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (27,'Julia','Raphaely','Child',114);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (28,'Woody','Russell','Child',145);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (29,'Alec','Partners','Child',146);
INSERT INTO dependents(dependent_id,first_name,last_name,relationship,employee_id) VALUES (30,'Sandra','Taylor','Child',176);
SET IDENTITY INSERT dependents OFF;
```

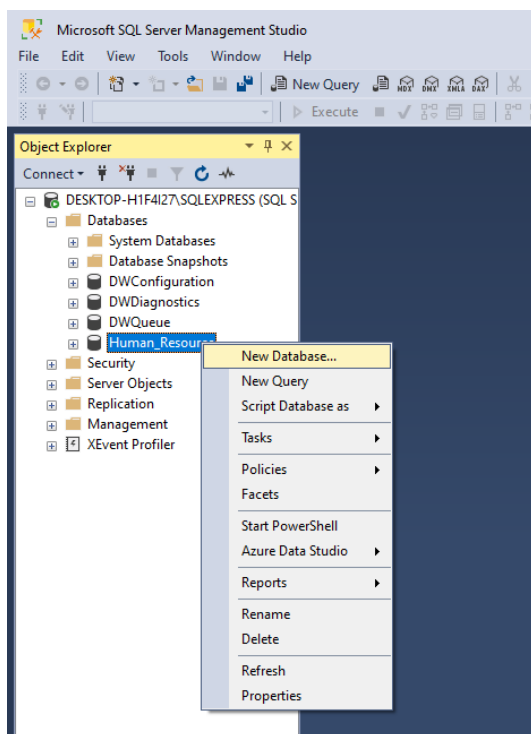
Step 6: Paste the content from the file downloaded file to the newly query window and press “Execute”



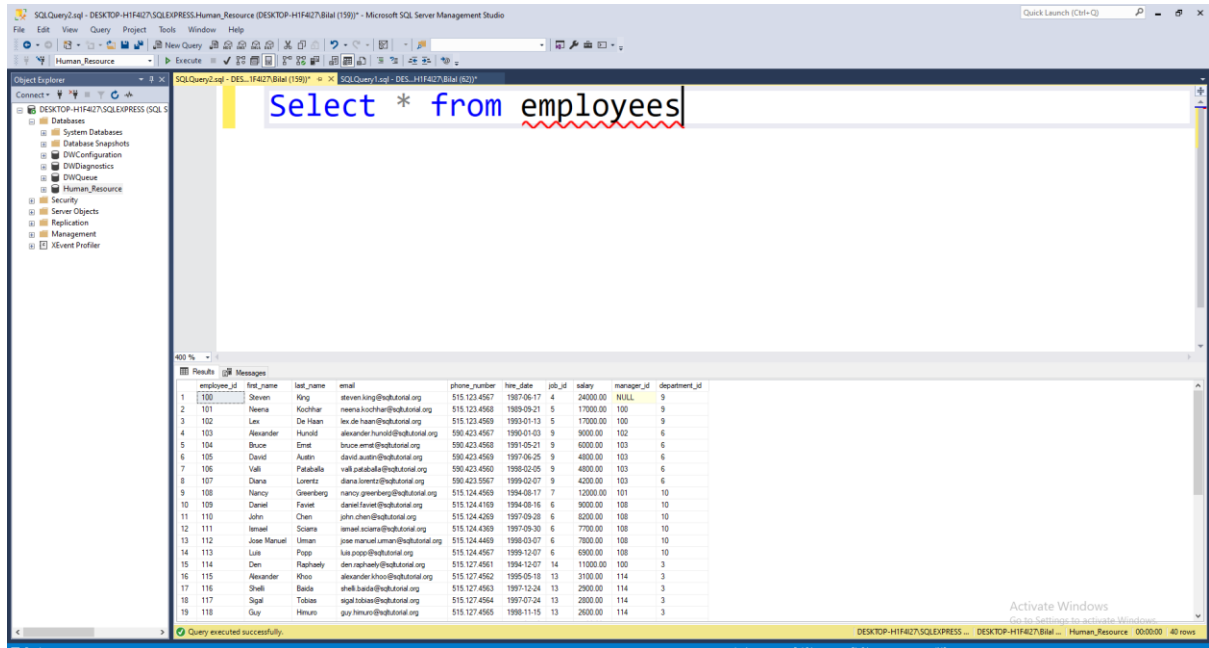
Step 7: After clicking Execute, you will see something like below screen.



Step 8: Again, go to left pain and select **New Query** Option by right clicking the Human Resource database.



Step 9: Now you can write queries of your choice. The schema of the database is attached at the end of this document



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The SQL Query window displays the query: `select * from employees`. The Results window shows the output of the query, which is a table with 19 rows and 10 columns. The columns are: employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, manager_id, and department_id. The data is as follows:

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	manager_id	department_id
1	Steven	King	steven.king@tututorial.org	515 122 4567	1987-06-17	4	24000.00	NULL	9
2	Neena	Kochhar	neena.kochhar@tututorial.org	515 122 4568	1989-09-21	5	17000.00	100	9
3	Lex	De Haan	lex.de.haan@tututorial.org	515 122 4569	1993-01-13	5	17000.00	100	9
4	Alexander	Hunold	alexander.hunold@tututorial.org	590 423 4567	1990-01-13	9	9000.00	102	6
5	Bruce	Ernst	bruce.ernst@tututorial.org	590 423 4568	1991-05-21	9	6000.00	103	6
6	David	Austin	david.austin@tututorial.org	590 423 4569	1997-06-25	9	4300.00	103	6
7	Valli	Pataballa	valli.pataballa@tututorial.org	590 423 4560	1996-02-05	9	4300.00	103	6
8	Diana	Lorentz	diana.lorentz@tututorial.org	590 423 5567	1999-02-07	9	4200.00	103	6
9	Nancy	Greenberg	nancy.greenberg@tututorial.org	515 124 4569	1994-08-17	7	12000.00	101	10
10	Daniel	Favre	daniel.favre@tututorial.org	515 124 4169	1994-03-16	6	9000.00	108	10
11	John	Chen	john.chen@tututorial.org	515 124 4369	1997-09-28	6	8200.00	108	10
12	Jane	Scott	jane.scott@tututorial.org	515 124 4369	1997-09-30	6	7700.00	108	10
13	Jose Manuel	Uman	josemanuel.uman@tututorial.org	515 124 4469	1998-03-07	6	7800.00	108	10
14	Lu	Poppo	lu.poppo@tututorial.org	515 124 4567	1999-12-07	6	6900.00	108	10
15	Den	Raphaely	den.raphaely@tututorial.org	515 127 4561	1994-12-07	14	11000.00	100	3
16	Alexander	Khoo	alexander.khoo@tututorial.org	515 127 4562	1995-05-18	13	3100.00	114	3
17	Shelli	Baile	shelli.baile@tututorial.org	515 127 4563	1997-12-24	13	2900.00	114	3
18	Sigal	Tobias	sigal.tobias@tututorial.org	515 127 4564	1997-07-24	13	2800.00	114	3
19	Guy	Himuro	guy.himuro@tututorial.org	515 127 4565	1996-11-15	13	2600.00	114	3

Human Resources Schema

