Islamic University of Gaza
Faculty of Engineering
Computer Department

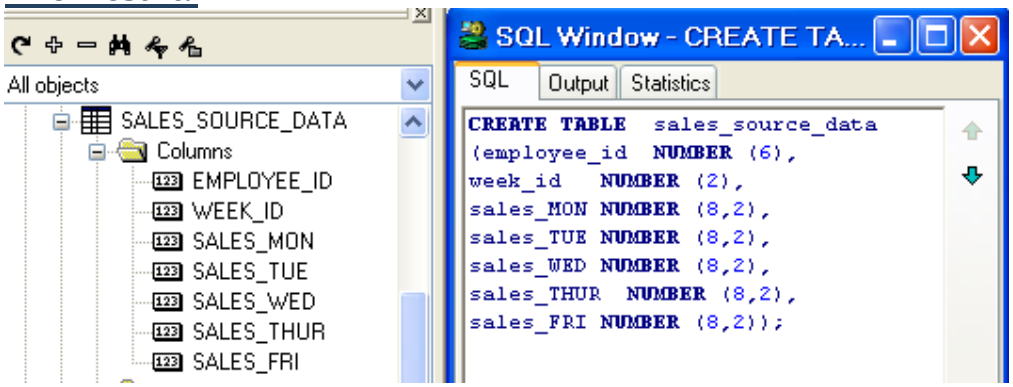
Advanced DataBase ECOM 5054
Instructor: Eng. Husam Alzaq
T.A: Eng. Doaa KH. Abu Jabal

Oracle LAB 10

Exercise 1 :

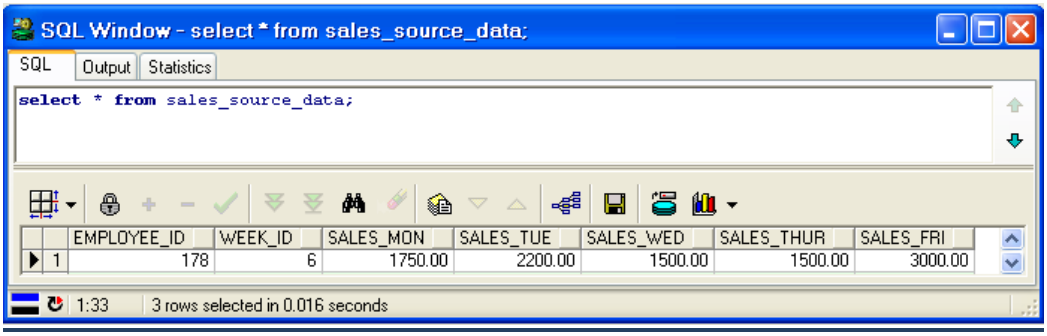
a- CREATE TABLE sales_source_data
employee_id NUMBER (6)
week_id NUMBER (2)
sales_MON NUMBER (8,2)
sales_TUE NUMBER (8,2)
sales_WED NUMBER (8,2)
sales_THUR NUMBER (8,2)
sales_FRI NUMBER (8,2)

The Result:



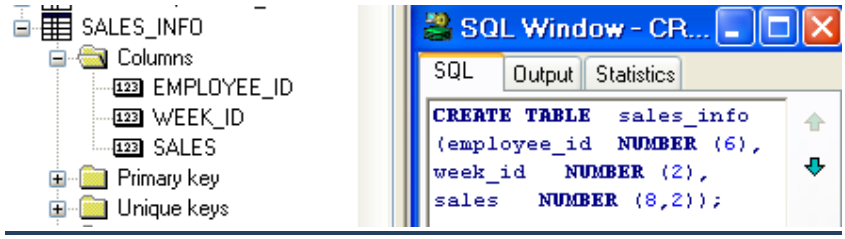
b-INSERT INTO sales_source_data
VALUES (178, 6, 1750, 2200, 1500, 1500, 3000);

The Result:



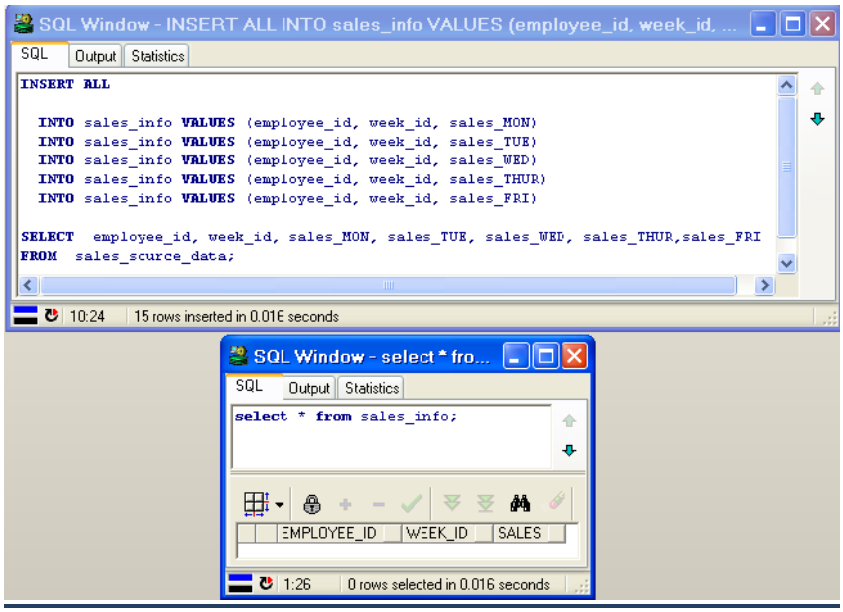
c- CREATE TABLE sales_info
employee_id NUMBER (6)
week_id NUMBER (2)
sales NUMBER (8,2)

The Result:



d- Write a query to do the following:
Retrieve the details of employee ID, week ID, sales on Monday, sales on Tuesday, sales on Wednesday, sales on Thursday, and sales on Friday from the `SALES_SOURCE_DATA` table.
Build a transformation such that each record retrieved from the `SALES_SOURCE_DATA` table is converted into multiple records for the `SALES_INFO` table.
Hint: Use a pivoting `INSERT` statement.

The Result:



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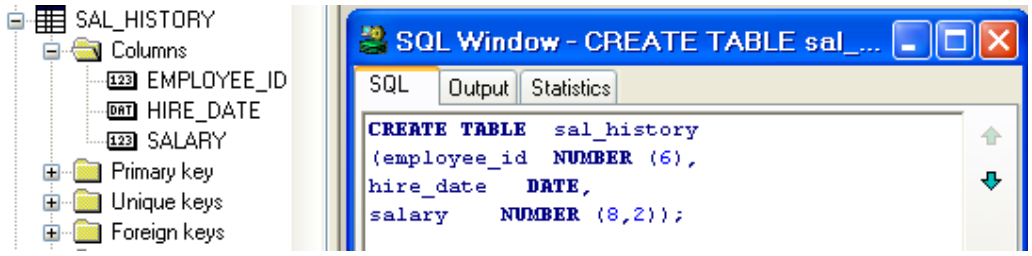
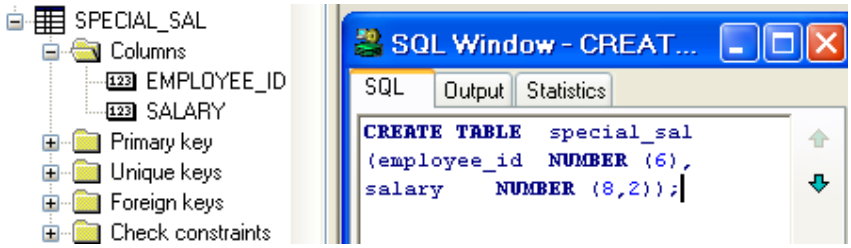
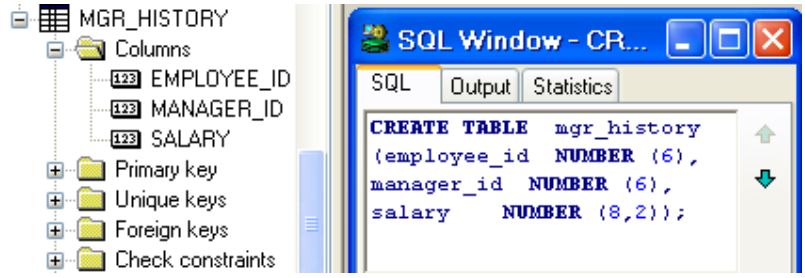
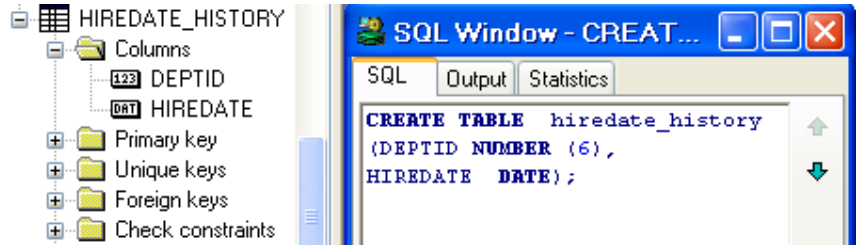
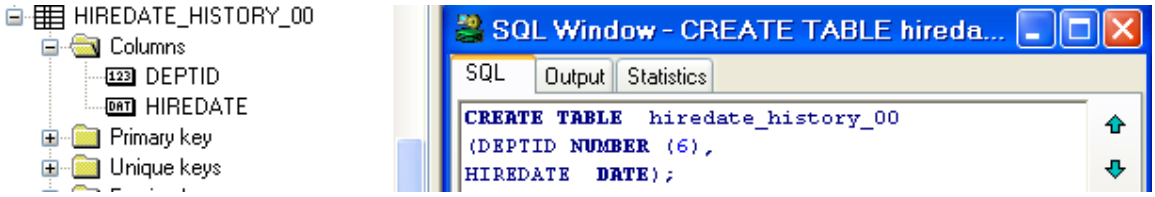
Exercise 2:
Create Tables:

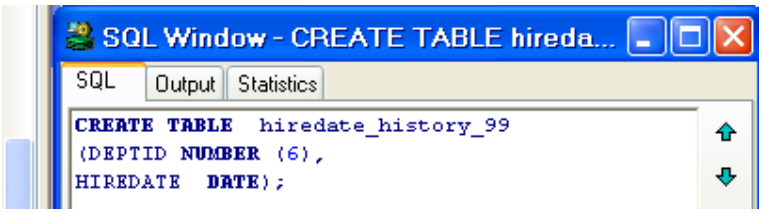




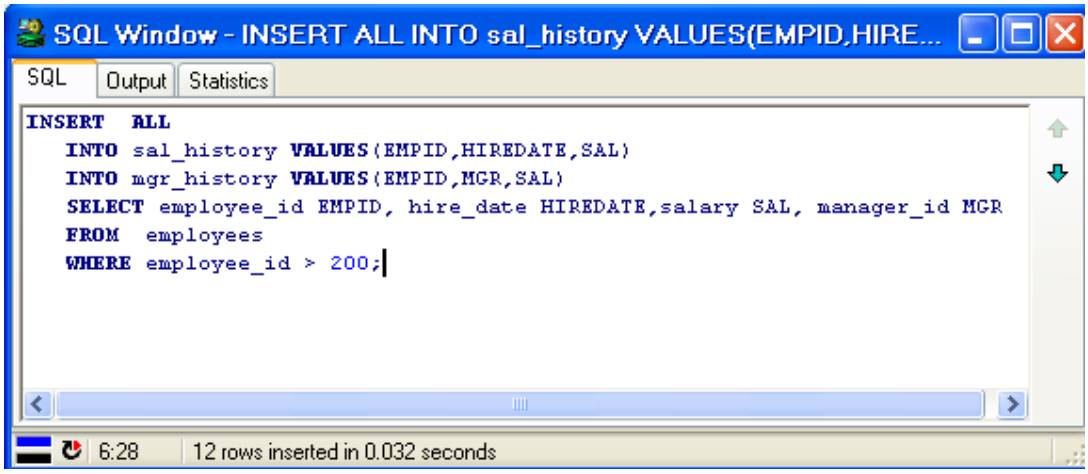




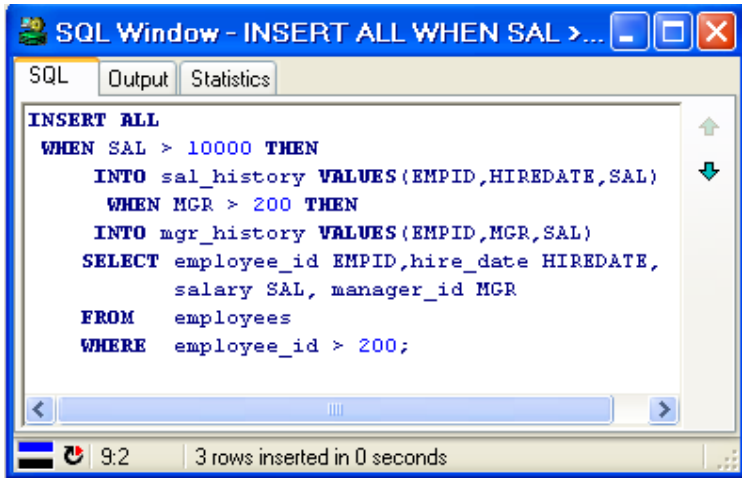




- ***Unconditional INSERT ALL***



- ***Conditional INSERT ALL***



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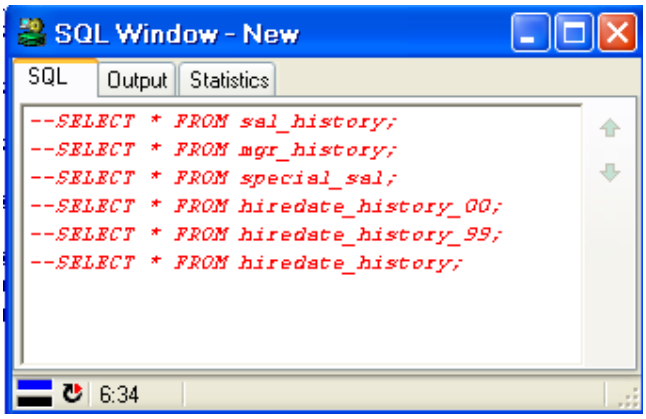
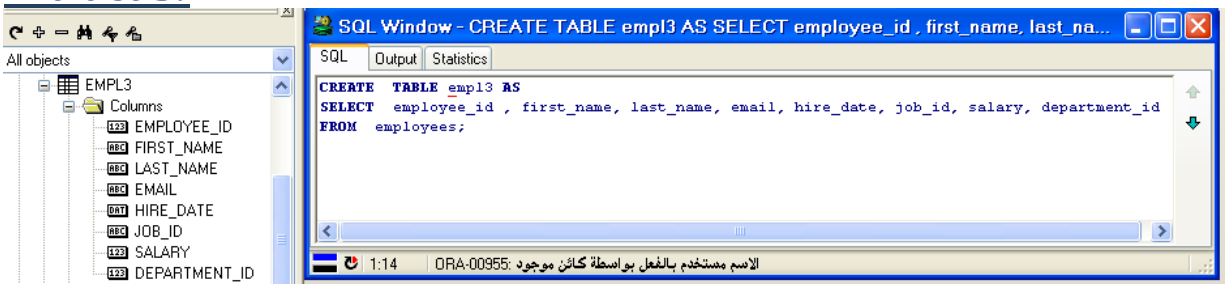
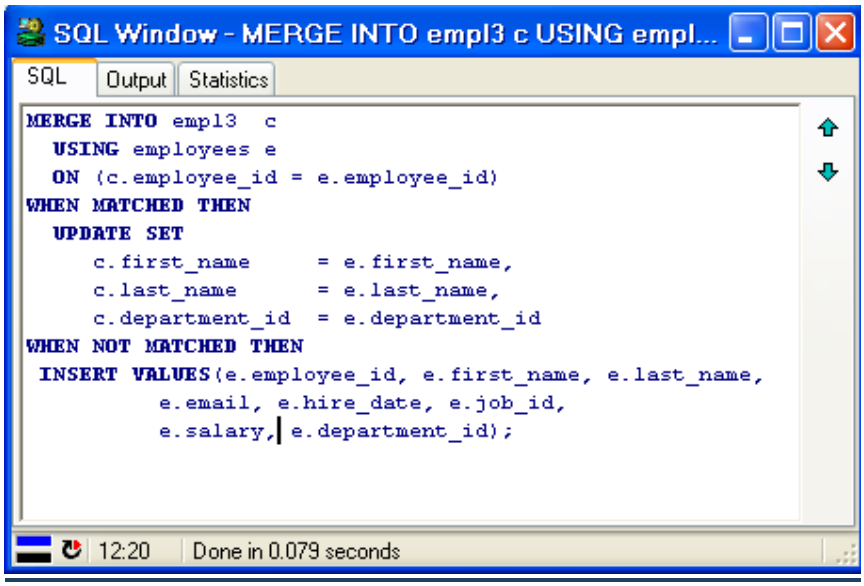


Exercise 3:




```
CREATE  TABLE   empl3   AS
SELECT  employee_id , first_name, last_name, email, hire_date, job_id, salary, department_id
FROM    employees;
```

- ***Merging Rows***



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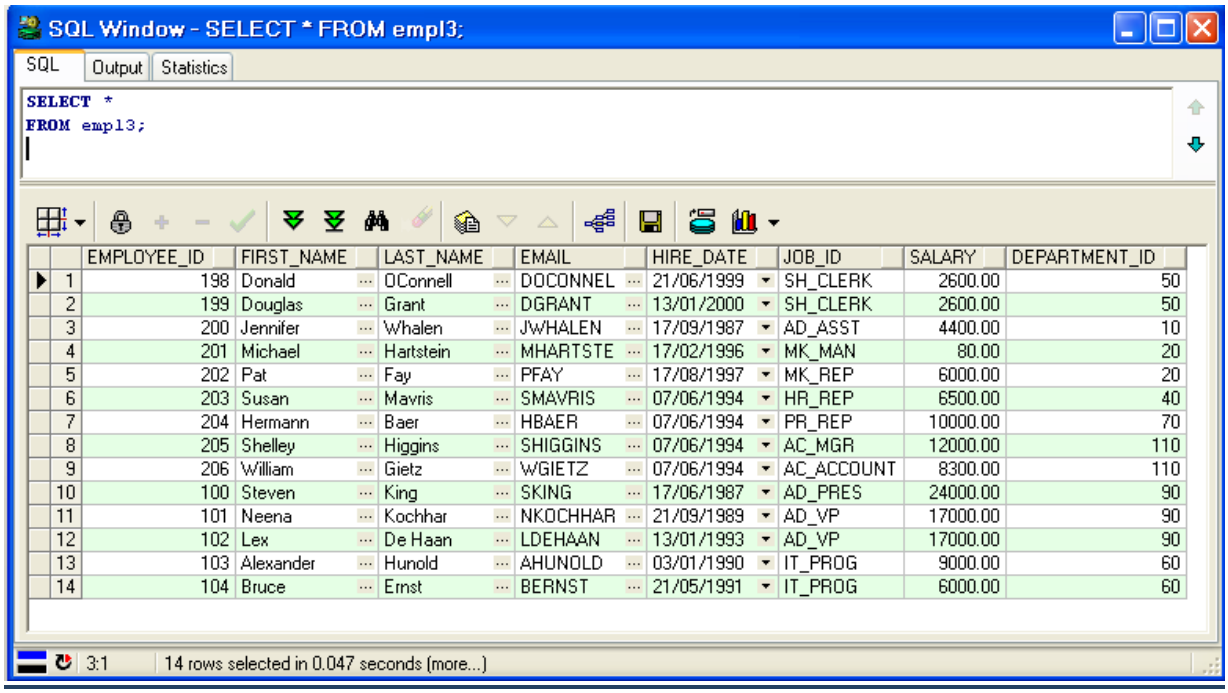

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	HIRE_DATE	JOB_ID	SALARY	DEPARTMENT_ID
1	198	Donald	OConnell	DOCONNEL	21/06/1999	SH_CLERK	2600.00	50
2	199	Douglas	Grant	DGRANT	13/01/2000	SH_CLERK	2600.00	50
3	200	Jennifer	Whalen	JWHALEN	17/09/1987	AD_ASST	4400.00	10
4	201	Michael	Hartstein	MHARTSTE	17/02/1996	MK_MAN	80.00	20
5	202	Pat	Fay	PFAY	17/08/1997	MK_REP	6000.00	20
6	203	Susan	Mavris	SMAVRIS	07/06/1994	HR_REP	6500.00	40
7	204	Hermann	Baer	HBAER	07/06/1994	PR_REP	10000.00	70
8	205	Shelley	Higgins	SHIGGINS	07/06/1994	AC_MGR	12000.00	110
9	206	William	Gietz	WGIETZ	07/06/1994	AC_ACCOUNT	8300.00	110
10	100	Steven	King	SKING	17/06/1987	AD_PRES	24000.00	90
11	101	Neena	Kochhar	NKOCHHAR	21/09/1989	AD_VP	17000.00	90
12	102	Lex	De Haan	LDEHAAN	13/01/1993	AD_VP	17000.00	90
13	103	Alexander	Hunold	AHUNOLD	03/01/1990	IT_PROG	9000.00	60
14	104	Bruce	Ernst	BERNST	21/05/1991	IT_PROG	6000.00	60