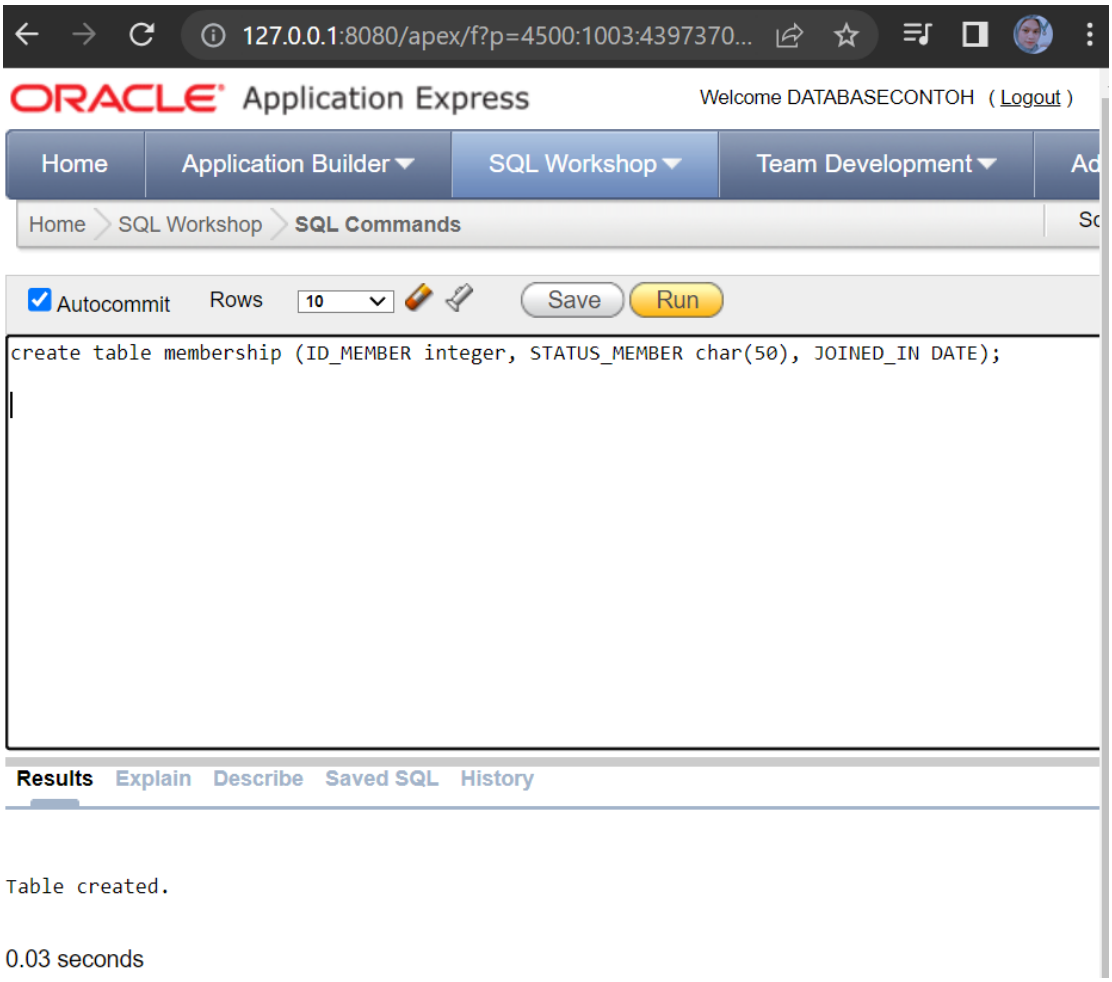
Nama : Zumro'atul Afifah

Kelas : Basdat A

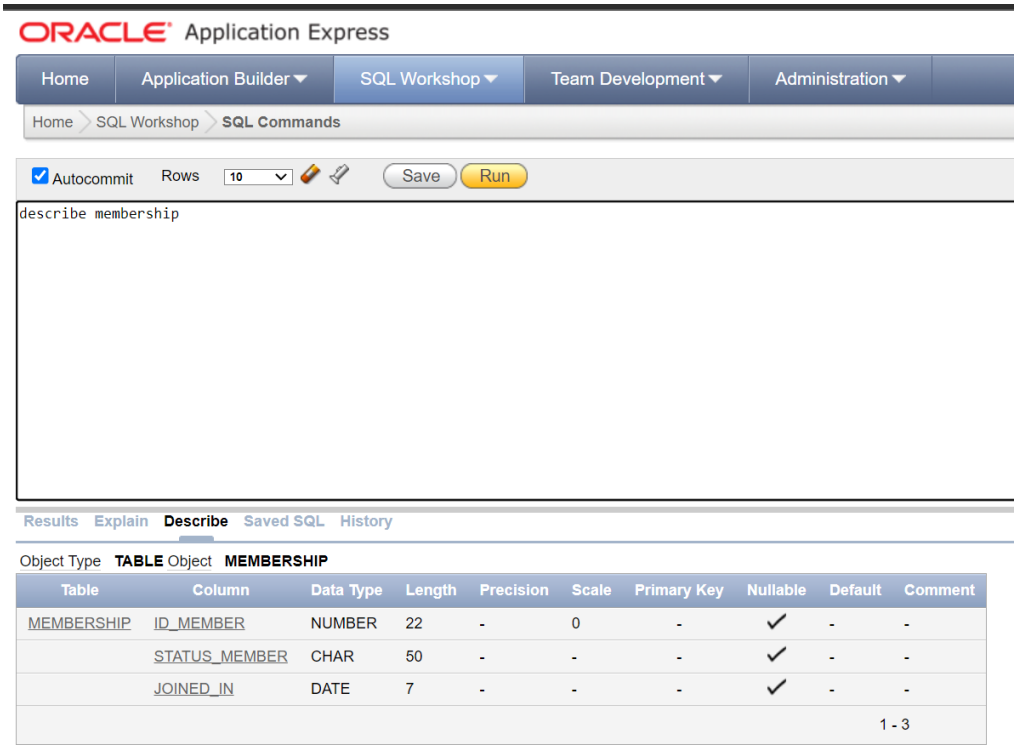
NIM : 202110370311099

A. Implementasikan beberapa contoh DDL berikut pada skema HR yang sudah kalian hubungkan :

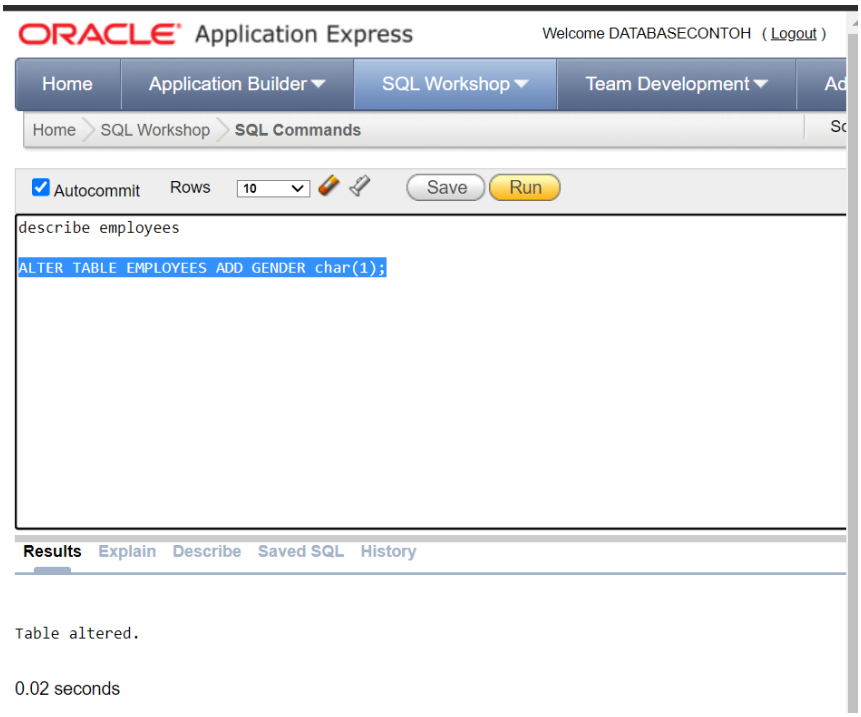
1. Buatlah tabel baru dengan nama MEMBERSHIP yang memiliki atribut sebagai berikut:
   - ID MEMBER sebagai Unique ID dan bertipe data integer.
   - STATUS MEMBER yang bertipe data string dengan panjang 50 karakter.
   - JOINED IN yang bertipe data date



➔ Melihat table berhasil dibuat gunakan command describe



2. Ubah struktur tabel EMPLOYEES dengan menambahkan kolom baru bernama GENDER yang bertipe data string dengan panjang 1 karakter.



➔ Melihat hasil dari menambahkan kolom baru dengan command describe

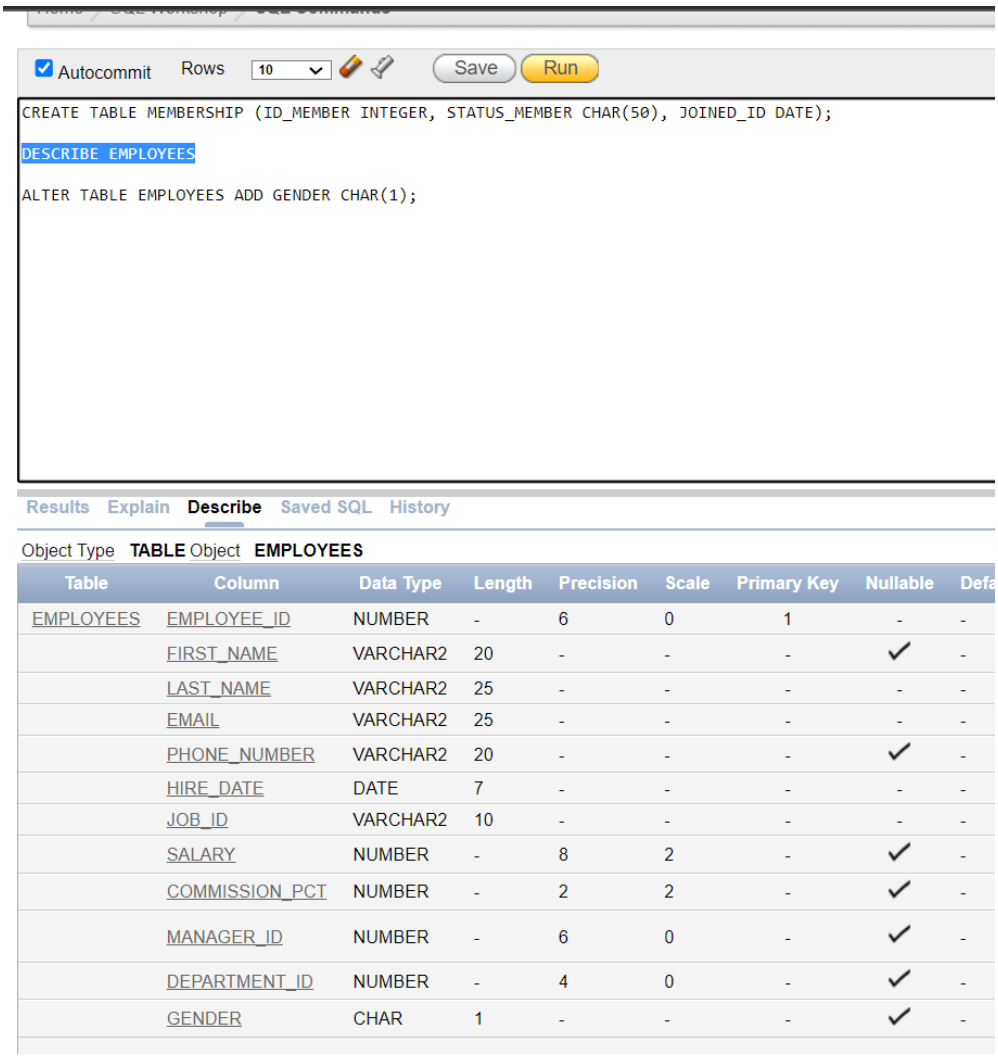
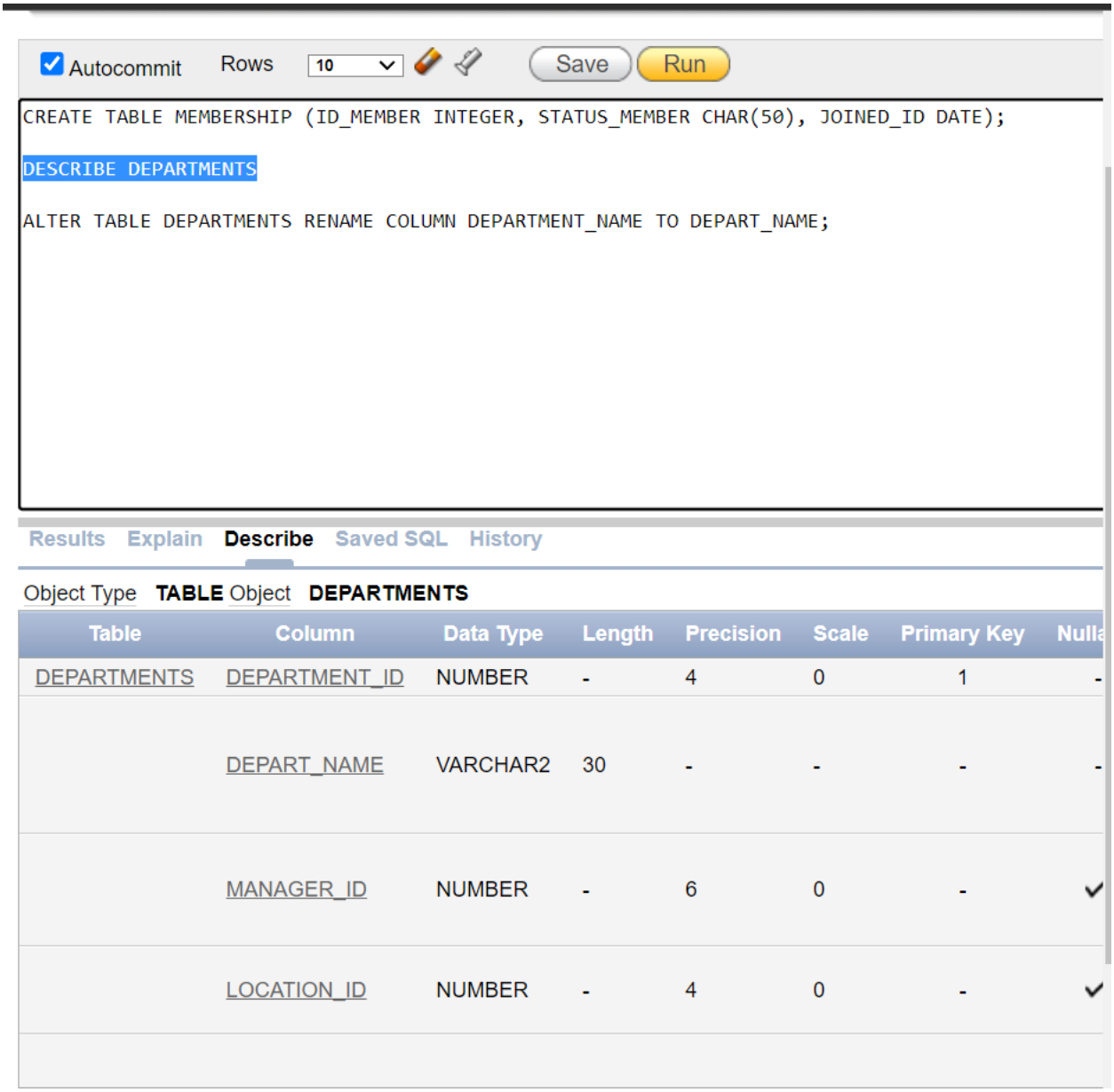


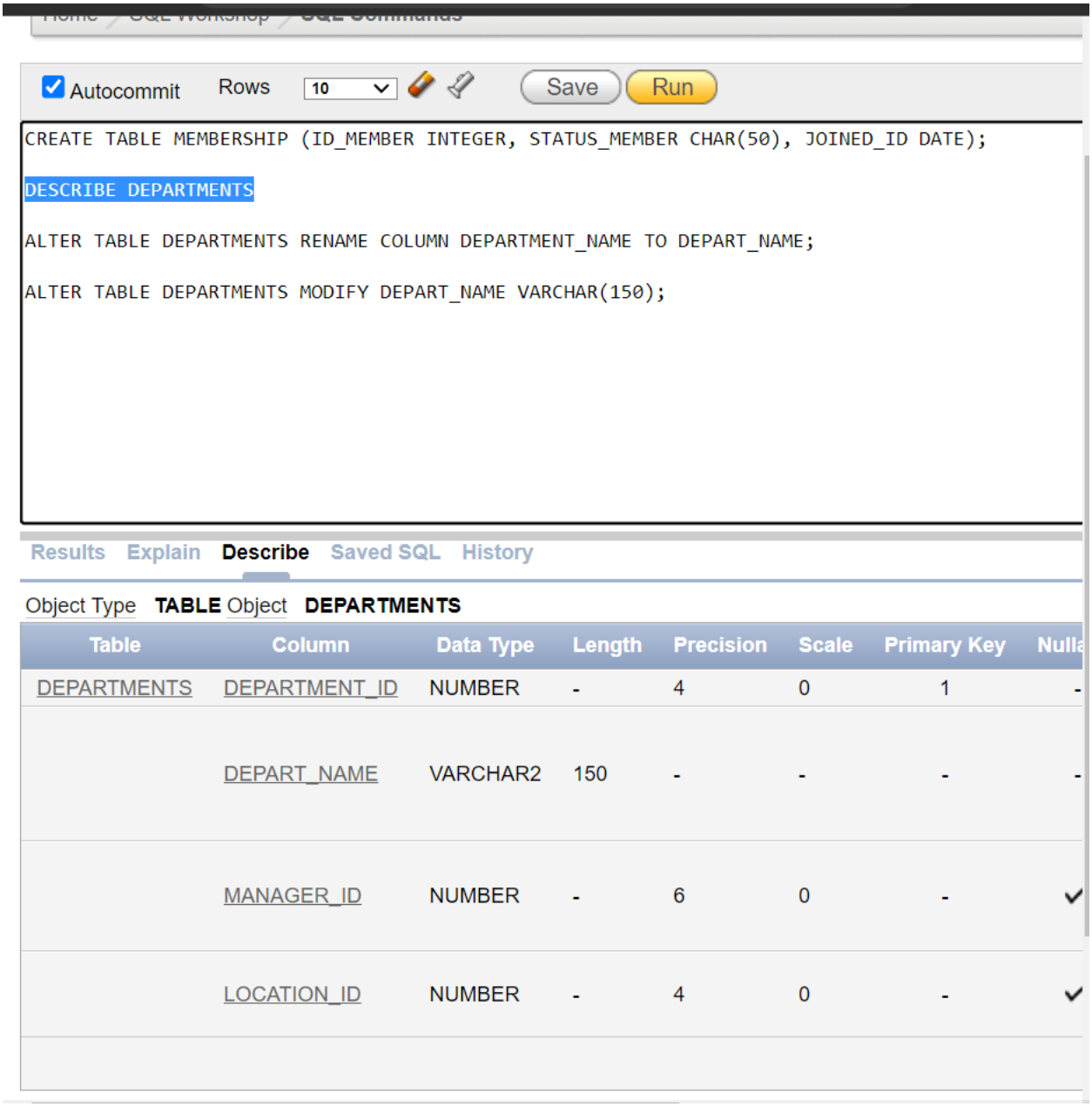
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Defa
EMPLOYEES	EMPLOYEE_ID	NUMBER	-	6	0	1	-	-
	FIRST_NAME	VARCHAR2	20	-	-	-	✓	-
	LAST_NAME	VARCHAR2	25	-	-	-	-	-
	EMAIL	VARCHAR2	25	-	-	-	-	-
	PHONE_NUMBER	VARCHAR2	20	-	-	-	✓	-
	HIRE_DATE	DATE	7	-	-	-	-	-
	JOB_ID	VARCHAR2	10	-	-	-	-	-
	SALARY	NUMBER	-	8	2	-	✓	-
	COMMISSION_PCT	NUMBER	-	2	2	-	✓	-
	MANAGER_ID	NUMBER	-	6	0	-	✓	-
	DEPARTMENT_ID	NUMBER	-	4	0	-	✓	-
	GENDER	CHAR	1	-	-	-	✓	-

3. Modifikasi kolom DEPARTMENT_NAME pada tabel DEPARTMENTS dengan nama DEPART_NAME yang bertipe data string dengan panjang 150 karakter.

➔ Sebelum

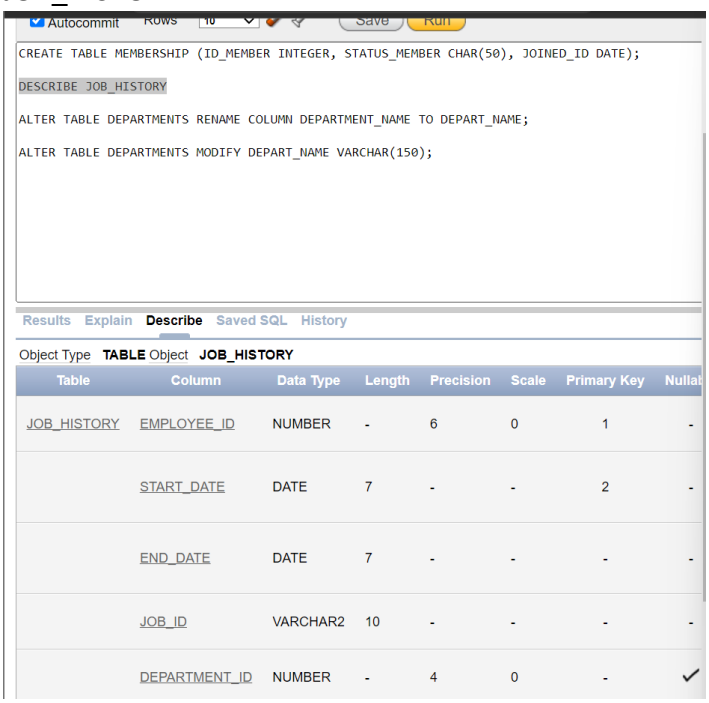

Autocommit
Rows
10
Save
Run
CREATE TABLE MEMBERSHIP (ID_MEMBER INTEGER, STATUS_MEMBER CHAR(50), JOINED_ID DATE);
DESCRIBE DEPARTMENTS
ALTER TABLE DEPARTMENTS RENAME COLUMN DEPARTMENT_NAME TO DEPART_NAME;
Results
Explain
Describe
Saved SQL
History
Object Type TABLE Object DEPARTMENTS
Table
Column
Data Type
Length
Precision
Scale
Primary Key
Nulla
DEPARTMENTS
DEPARTMENT_ID
NUMBER
-
4
0
1
-
DEPART_NAME
VARCHAR2
30
-
-
-
-
MANAGER_ID
NUMBER
-
6
0
-
✓
LOCATION_ID
NUMBER
-
4
0
-
✓

➔ Sesudah

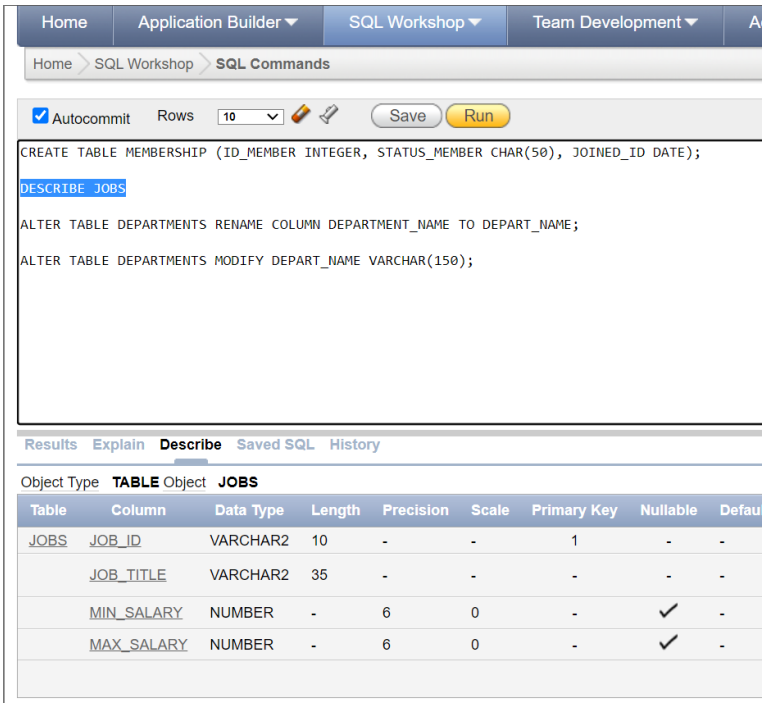

Autocommit
Rows
10
Save
Run
CREATE TABLE MEMBERSHIP (ID_MEMBER INTEGER, STATUS_MEMBER CHAR(50), JOINED_ID DATE);
DESCRIBE DEPARTMENTS
ALTER TABLE DEPARTMENTS RENAME COLUMN DEPARTMENT_NAME TO DEPART_NAME;
ALTER TABLE DEPARTMENTS MODIFY DEPART_NAME VARCHAR(150);
Results
Explain
Describe
Saved SQL
History
Object Type TABLE Object DEPARTMENTS
Table
Column
Data Type
Length
Precision
Scale
Primary Key
Nulla
DEPARTMENTS
DEPARTMENT_ID
NUMBER
-
4
0
1
-
DEPART_NAME
VARCHAR2
150
-
-
-
-
MANAGER_ID
NUMBER
-
6
0
-
✓
LOCATION_ID
NUMBER
-
4
0
-
✓

B. Implementasikan beberapa contoh DML berikut pada skema HR yang sudah kalian hubungkan :

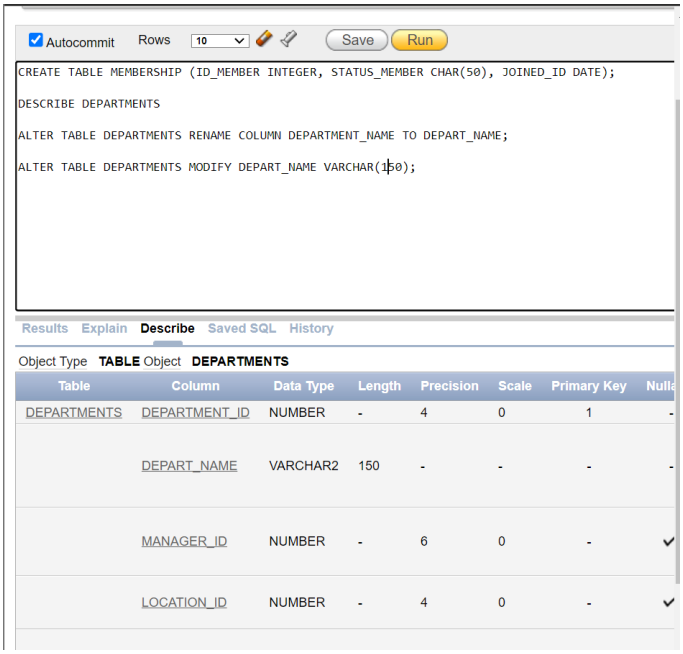
1. Tunjukkan seluruh data yang ada pada masing-masing tabel.
   - JOB_HISTORY



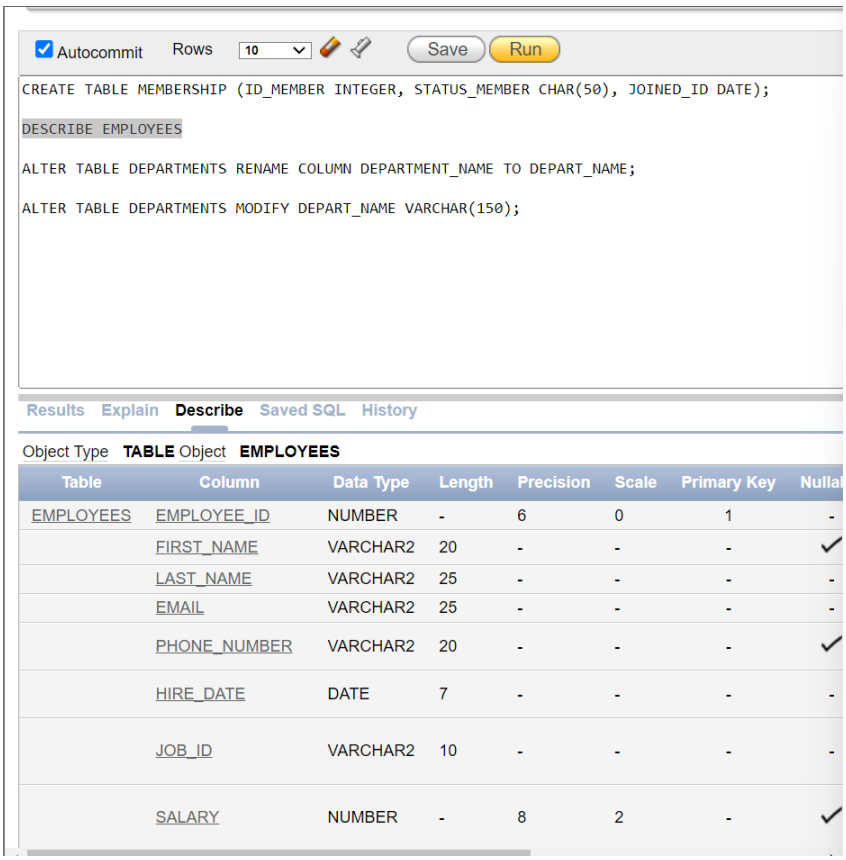
   - JOBS



- DEPARTEMENTS



- EMPLOYEES



- LOCATIONS

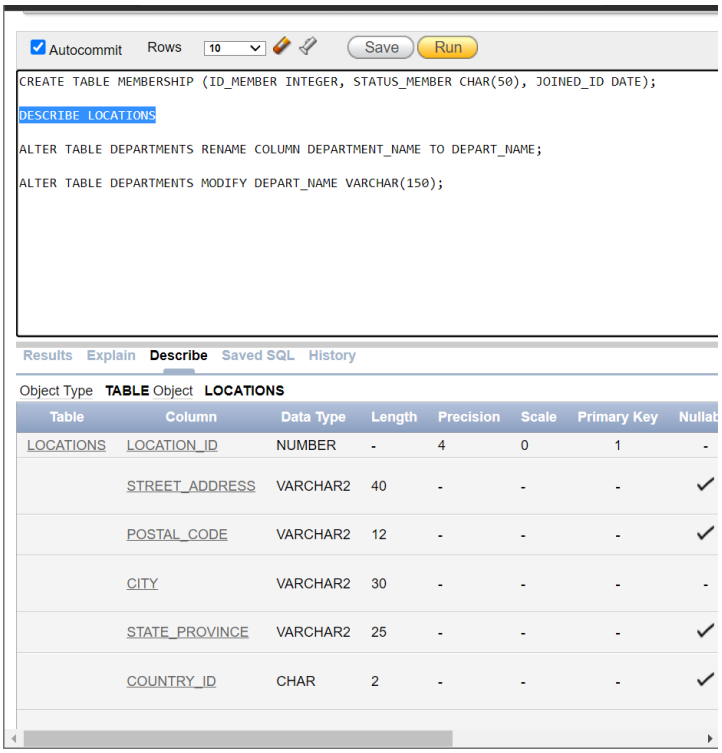


Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullab
LOCATIONS	LOCATION_ID	NUMBER	-	4	0	1	-
	STREET_ADDRESS	VARCHAR2	40	-	-	-	✓
	POSTAL_CODE	VARCHAR2	12	-	-	-	✓
	CITY	VARCHAR2	30	-	-	-	-
	STATE_PROVINCE	VARCHAR2	25	-	-	-	✓
	COUNTRY_ID	CHAR	2	-	-	-	✓

- COUNTRIES

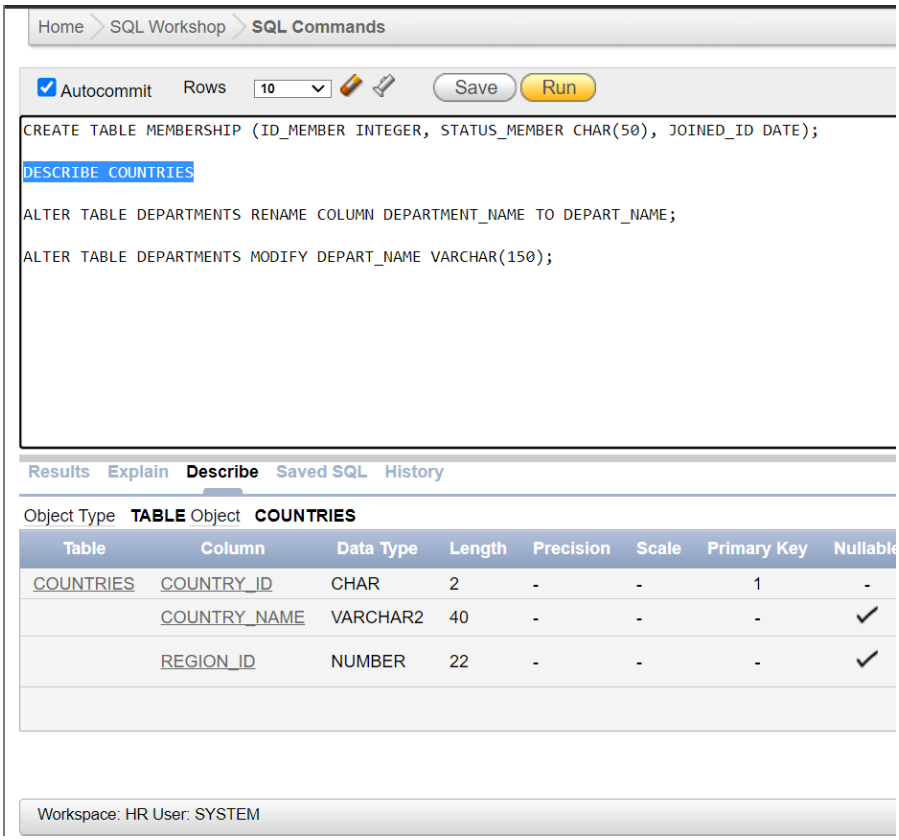
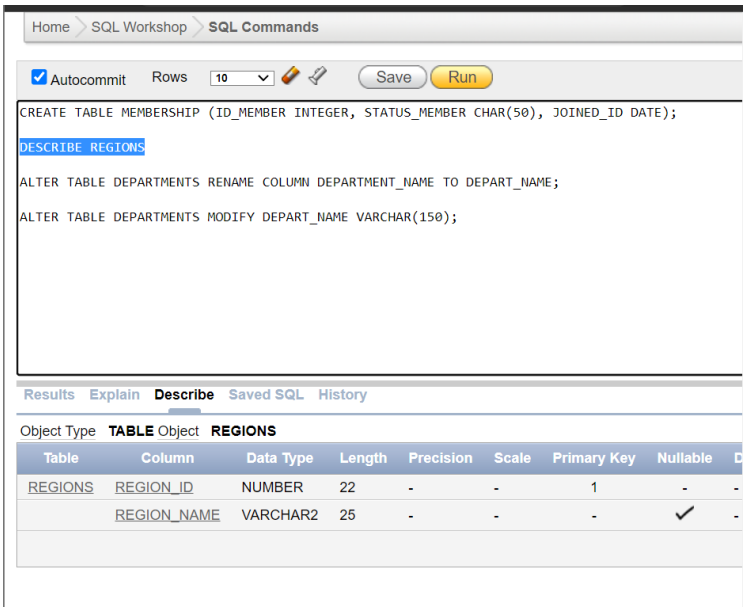
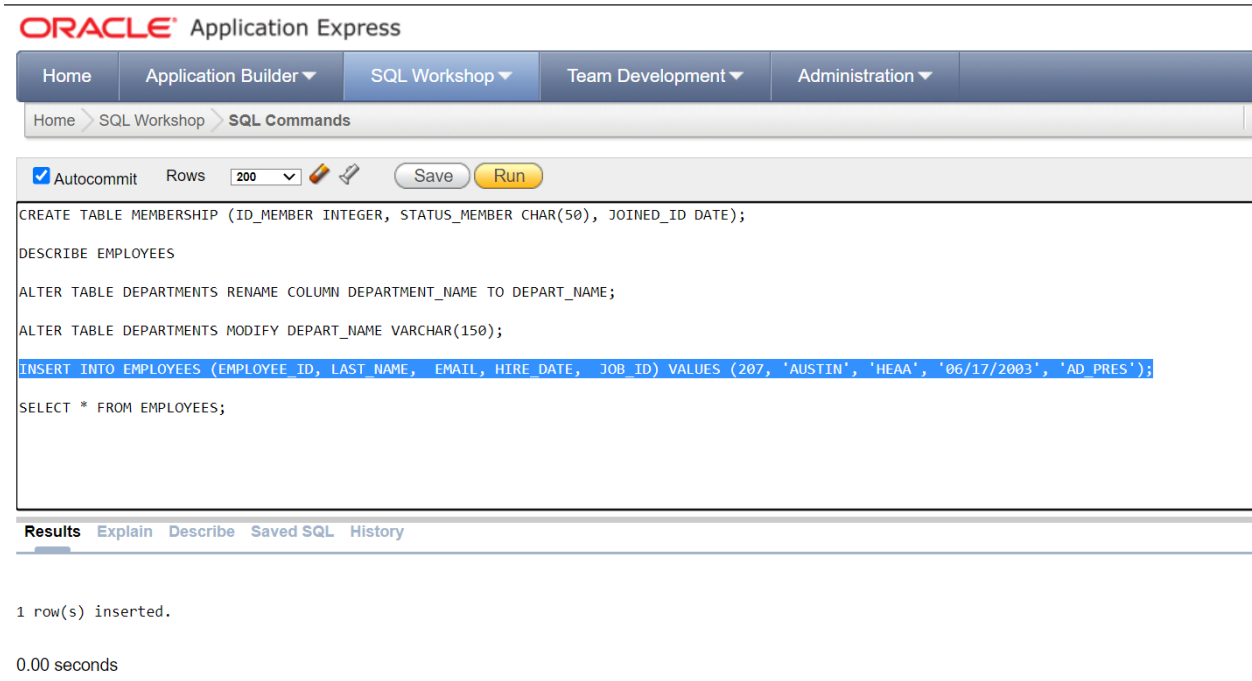


Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable
COUNTRIES	COUNTRY_ID	CHAR	2	-	-	1	-
	COUNTRY_NAME	VARCHAR2	40	-	-	-	✓
	REGION_ID	NUMBER	22	-	-	-	✓

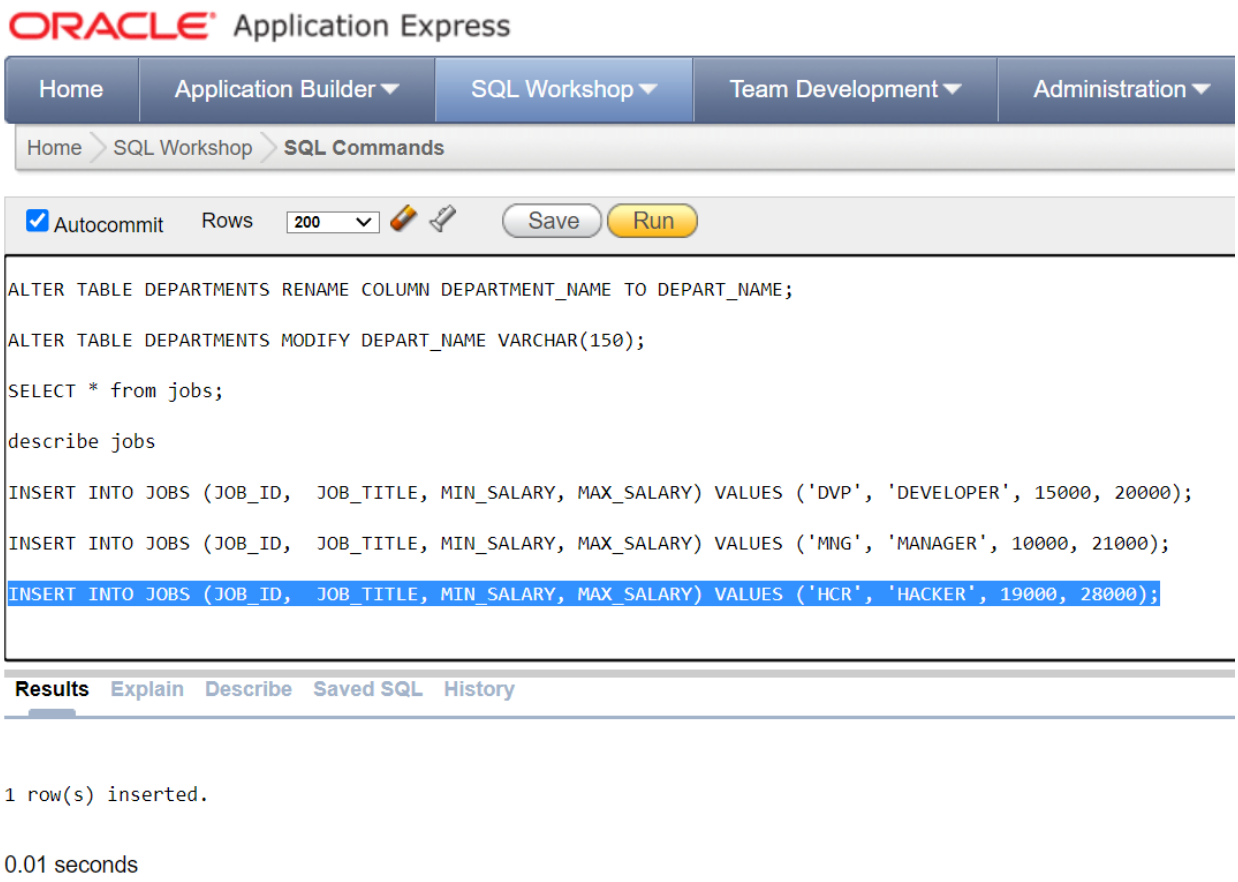
- REGIONS



2. Tambahkan data pada kolom EMPLOYEE_ID, FIRST_NAME, dan LAST_NAME yang ada pada tabel EMPLOYEES dan biarkan kolom lainnya kosong (tidak perlu mengisikan apapun termasuk (-))



3. Tambahkan data apapun pada tabel JOBS sebanyak 3 data.



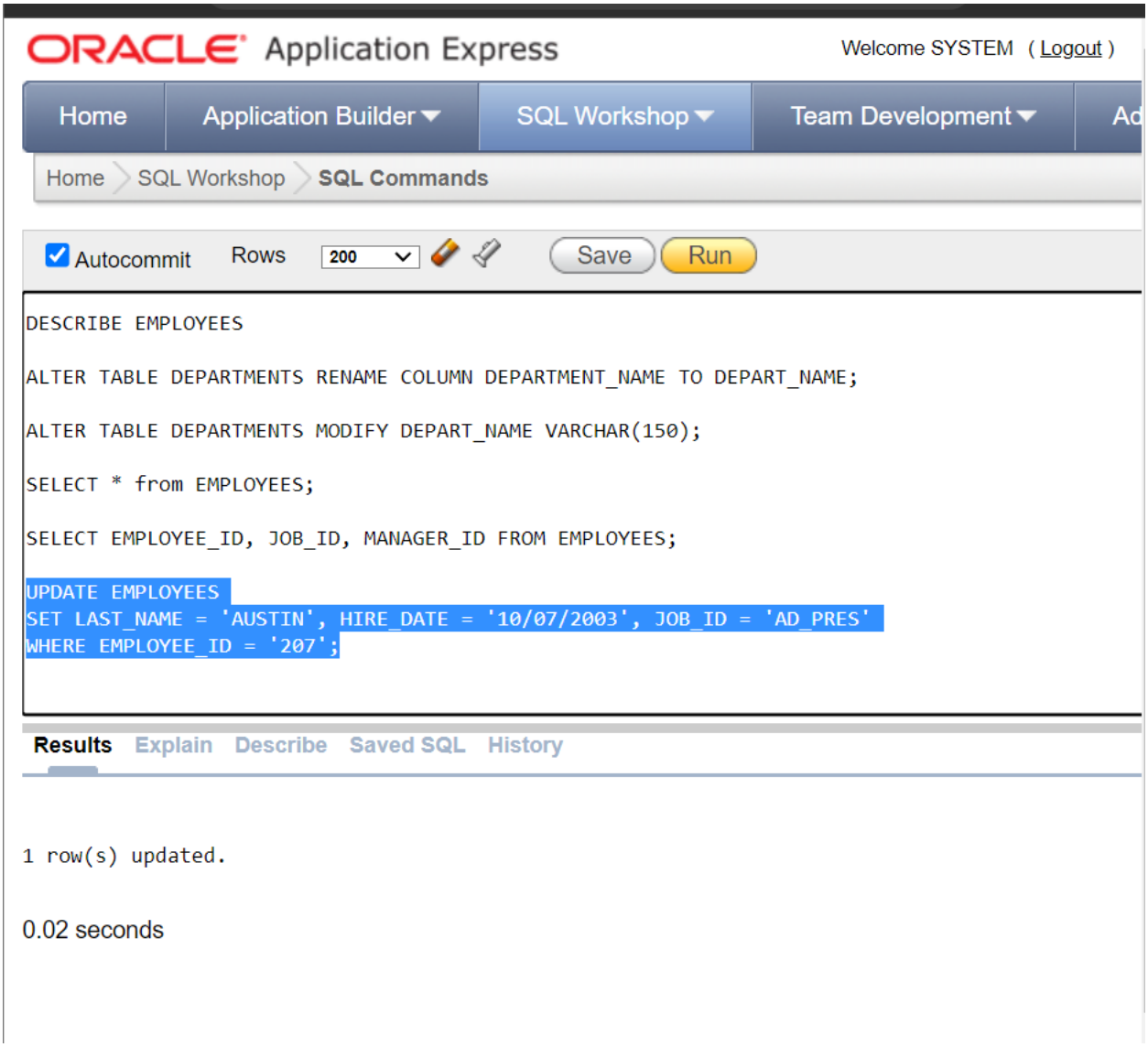
➔ Menampilkan Data

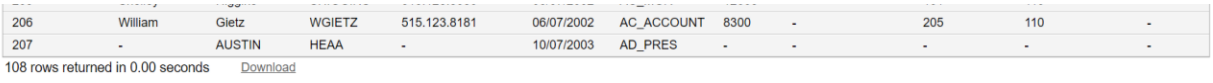
```
SELECT * from jobs;

describe jobs

INSERT INTO JOBS (JOB_ID,  JOB_TITLE, MIN_SALARY, MAX_SALARY) VALUES ('DVP', 'DEVELOPER', 15000, 20000);

INSERT INTO JOBS (JOB_ID,  JOB_TITLE, MIN_SALARY, MAX_SALARY) VALUES ('MNG', 'MANAGER', 10000, 21000);
```

Results Explain Describe Saved SQL History

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
AD_PRES	President	20080	40000
AD_VP	Administration Vice President	15000	30000
AD_ASST	Administration Assistant	3000	6000
FI_MGR	Finance Manager	8200	16000
FI_ACCOUNT	Accountant	4200	9000
AC_MGR	Accounting Manager	8200	16000
AC_ACCOUNT	Public Accountant	4200	9000
SA_MAN	Sales Manager	10000	20080
SA_REP	Sales Representative	6000	12008
PU_MAN	Purchasing Manager	8000	15000
PU_CLERK	Purchasing Clerk	2500	5500
ST_MAN	Stock Manager	5500	8500
ST_CLERK	Stock Clerk	2008	5000
SH_CLERK	Shipping Clerk	2500	5500
IT_PROG	Programmer	4000	10000
MK_MAN	Marketing Manager	9000	15000
MK_REP	Marketing Representative	4000	9000
HR_REP	Human Resources Representative	4000	9000
PR_REP	Public Relations Representative	4500	10500
DVP	DEVELOPER	15000	20000
MNG	MANAGER	10000	21000
HCR	HACKER	19000	28000

4. Ubah ID pada baris ketiga tabel EMPLOYEES





206	William	Gietz	WGIETZ	515.123.8181	06/07/2002	AC_ACCOUNT	8300	-	205	110	-
207	-	AUSTIN	HEAA	-	10/07/2003	AD_PRES	-	-	-	-	-

108 rows returned in 0.00 seconds Download

5. Hapus data yang ada pada baris genap pada tabel EMPLOYEES.

```
DELETE FROM EMPLOYEES WHERE EMPLOYEE_ID = '206';
```

Results Explain Describe Saved SQL History

```
1 row(s) deleted.
```

0.01 seconds

205	Shelley	Higgins	SHIGGINS	515.123.8080	06/07/2002	AC
207	-	AUSTIN	HEAA	-	10/07/2003	AI

107 rows returned in 0.01 seconds Download