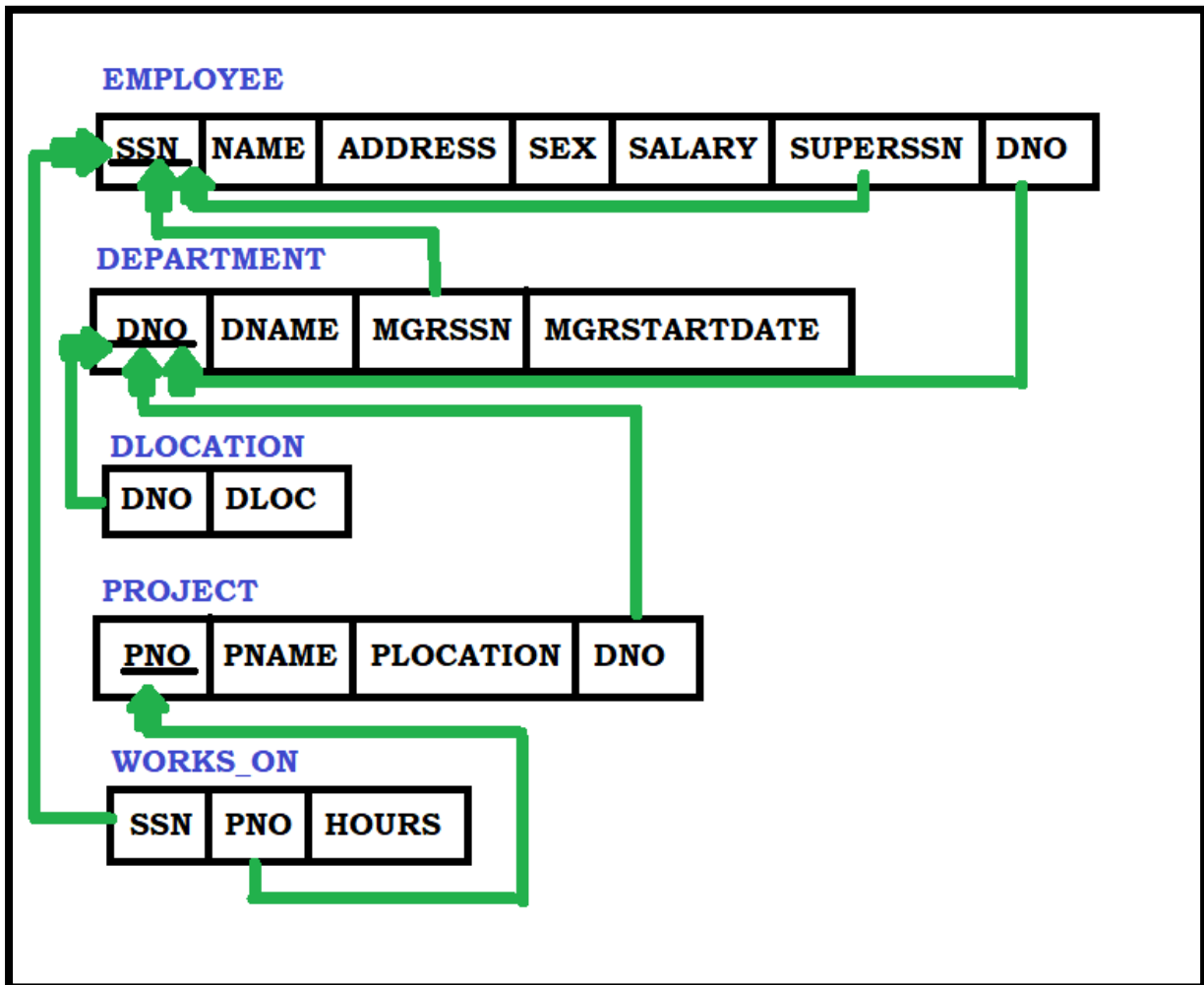


Program - 5



SQL Commands

127.0.0.1:8080/apex/f?p...

Apps IDM 6.29 Build 2 Cr... BBNL-Payurbills

ORACLE Database Express Edition

User: KBHR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```

CREATE TABLE EMPLOYEE(SSN VARCHAR(10) PRIMARY KEY, FNAME
VARCHAR(30),MINIT VARCHAR(30),LNAME VARCHAR(30) , ADDRESS
VARCHAR(50), SEX VARCHAR(10), SALARY NUMBER(8,2), SUPER_SSN
VARCHAR(10) REFERENCES EMPLOYEE(SSN), DNO INTEGER );
  
```

Results Explain Describe Saved SQL History

Table created.

1.66 seconds

127.0.0.1:8080/.../www_flow_...

SQL Commands

127.0.0.1:8080/apex/f?p...

Apps IDM 6.29 Build 2 Cr... BBNL-Payurbills

ORACLE Database Express Edition

User: KBHR

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

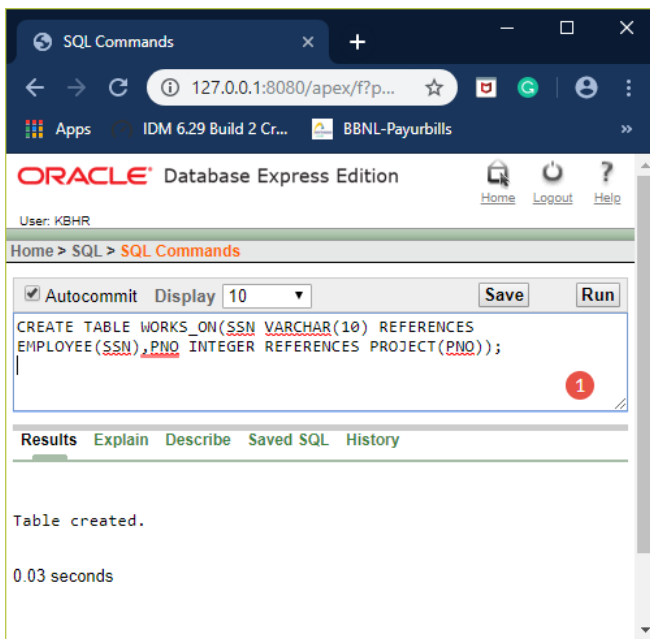
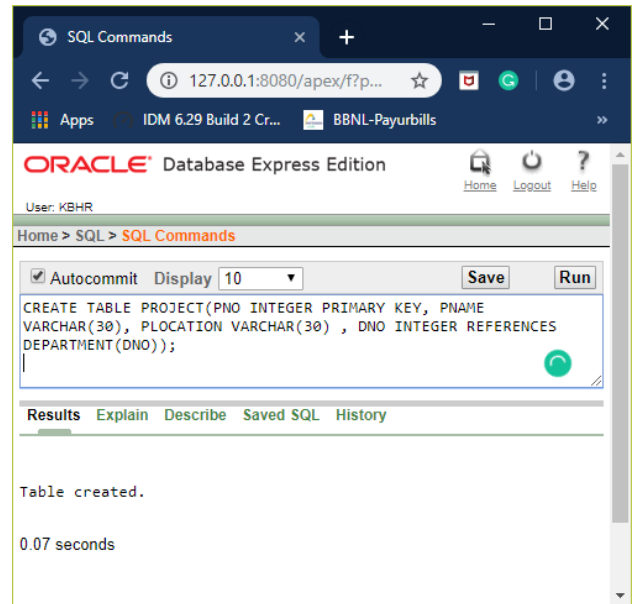
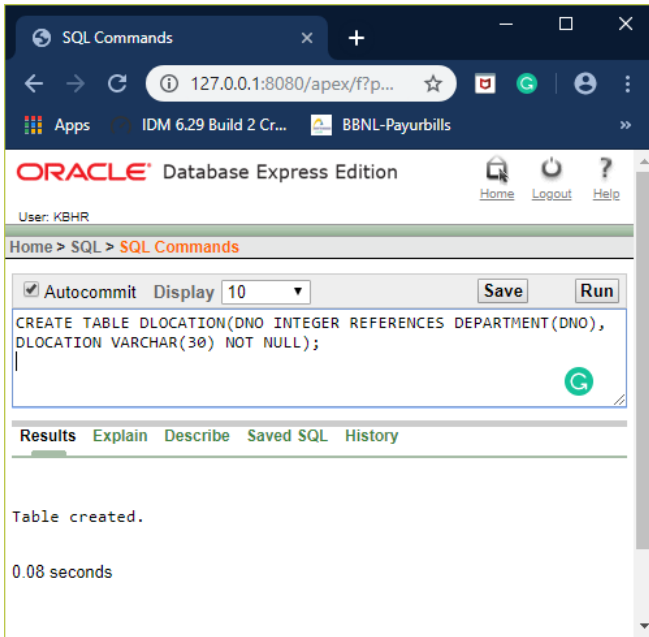
```

CREATE TABLE DEPARTMENT(DNO INTEGER PRIMARY KEY,DNAME
VARCHAR(30) , MGR_SSN VARCHAR(10) REFERENCES EMPLOYEE(SSN),
MGR_START_DATE DATE);
  
```

Results Explain Describe Saved SQL History

Table created.

0.06 seconds



Oracle Database Express Edition interface showing the results of the SQL command `DESC EMPLOYEE;`. The command is entered in the SQL Commands window, and the results are displayed in a table format.

Object Type: TABLE Object: EMPLOYEE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE	SSN	Varchar2	10	-	-	1	-	-	-
	FNAME	Varchar2	30	-	-	-	✓	-	-
	MINIT	Varchar2	30	-	-	-	✓	-	-
	LNAME	Varchar2	30	-	-	-	✓	-	-
	ADDRESS	Varchar2	50	-	-	-	✓	-	-
	SEX	Varchar2	10	-	-	-	✓	-	-
	SALARY	Number	-	8	2	-	✓	-	-
	SUPER_SSN	Varchar2	10	-	-	-	✓	-	-
	DNO	Number	-	-	0	-	✓	-	-

Oracle Database Express Edition interface showing the results of the SQL command `DESC DEPARTMENT;`. The command is entered in the SQL Commands window, and the results are displayed in a table format.

Object Type: TABLE Object: DEPARTMENT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENT	DNO	Number	-	-	0	1	-	-	-
	DNAME	Varchar2	30	-	-	-	✓	-	-
	MGR_SSN	Varchar2	10	-	-	-	✓	-	-
	MGR_START_DATE	Date	7	-	-	-	✓	-	-

Oracle Database Express Edition interface showing the results of the SQL command `DESC DLOCATION;`. The command is entered in the SQL Commands window, and the results are displayed in a table format.

Object Type: TABLE Object: DLOCATION

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DLOCATION	DNO	Number	-	-	0	-	✓	-	-
	DLOCATION	Varchar2	30	-	-	-	-	-	-

Oracle Database Express Edition interface showing the SQL Commands window. The command entered is `DESC PROJECT;`. The results show the structure of the PROJECT table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PROJECT	PNO	Number	-	-	0	1	-	-	-
	PNAME	Varchar2	30	-	-	-	✓	-	-
	PLOCATION	Varchar2	30	-	-	-	✓	-	-
	DNO	Number	-	-	0	-	✓	-	-

Oracle Database Express Edition interface showing the SQL Commands window. The command entered is `DESC WORKS_ON;`. The results show the structure of the WORKS_ON table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
WORKS_ON	SSN	Varchar2	10	-	-	-	✓	-	-
	PNO	Number	-	-	0	-	✓	-	-

Oracle Database Express Edition interface showing the SQL Commands window. The command entered is `INSERT INTO DEPARTMENT VALUES(1, 'BOARD OF DIRECTOR', NULL, NULL);`. The results show:

1 row(s) inserted.
0.03 seconds

Oracle Database Express Edition interface showing the SQL Commands window. The command entered is `INSERT INTO EMPLOYEE VALUES('FVBIE001', 'HEMANTH', 'RSJ', 'K B', 'RT NAGAR', 'MALE', '700000.00', NULL, 1);`. The results show:

1 row(s) inserted.
0.00 seconds

Oracle Database Express Edition interface showing the execution of an SQL command. The command is: `INSERT INTO DEPARTMENT VALUES(2, 'ACCOUNTS', 'FVBI001', '02-FEB-2018');`. The result is: `1 row(s) inserted.` The execution time is 1.56 seconds.

Oracle Database Express Edition interface showing the execution of an SQL command. The command is: `INSERT INTO DLOCATION VALUES(1, 'NEW DELHI');`. The result is: `1 row(s) inserted.` The execution time is 0.11 seconds.

Oracle Database Express Edition interface showing the execution of an SQL command. The command is: `INSERT INTO PROJECT VALUES(1, 'COLLEGE MANAGEMENT SYSTEM', 'BANGLORE', 2);`. The result is: `1 row(s) inserted.` The execution time is 0.04 seconds.

Oracle Database Express Edition interface showing the execution of an SQL command. The command is: `INSERT INTO WORKS_ON VALUES('FVBI005', 1);`. The result is: `1 row(s) inserted.` The execution time is 0.56 seconds.

Oracle Database Express Edition interface showing the execution of a query. The query is: `SELECT * FROM EMPLOYEE;`. The result is a table with 12 rows of employee data. The execution time is 12 rows returned in 0.00 seconds.

SSN	FNAME	MINIT	LNAME	ADDRESS	SEX	SALARY	SUPER_SSN	DNO
FVBI001	HEMANTH	RSJ	KB	R T NAGAR	MALE	700000	-	1
FVBI002	RAJ	KUMAR	T	R T NAGAR	MALE	700000	-	1
FVBI003	ABDUL	MOHAMMED	SAMDANI	K G F	MALE	700000	-	1
FVBI004	MAJID	H	HUSAN	KOLAR	MALE	700000	FVBI002	3
FVBI005	THANU	M	SHREE	R T NAGAR	MALE	500000	FVBI001	2
FVBI006	PUNITH	SHAH	T	R T NAGAR	MALE	500000	FVBI001	2
FVBI007	PAUL	SAMUAL	SCOTT	R T NAGAR	MALE	400000	FVBI001	2
FVBI008	NEHA	SAMPUAL	SCOTT	KENGERI	FEMALE	700000	FVBI001	2
FVBI009	ANAND	G	GOWDA	SULTHANPLAYA	MALE	700000	FVBI001	2
FVBI010	MANISH	T	GOWDA	L R BANDE	MALE	500000	FVBI001	2
FVBI011	HIMANSHU	G	VARTHA	BUVENESHAWARA	MALE	500000	FVBI002	3
FVBI012	SNEHA	G	THADHOKAR	KAVERI	FEMALE	500000	FVBI003	5

The screenshot shows the Oracle Database Express Edition interface. The user is logged in as 'KBHR'. The SQL command entered is 'SELECT * FROM DEPARTMENT;'. The results table is as follows:

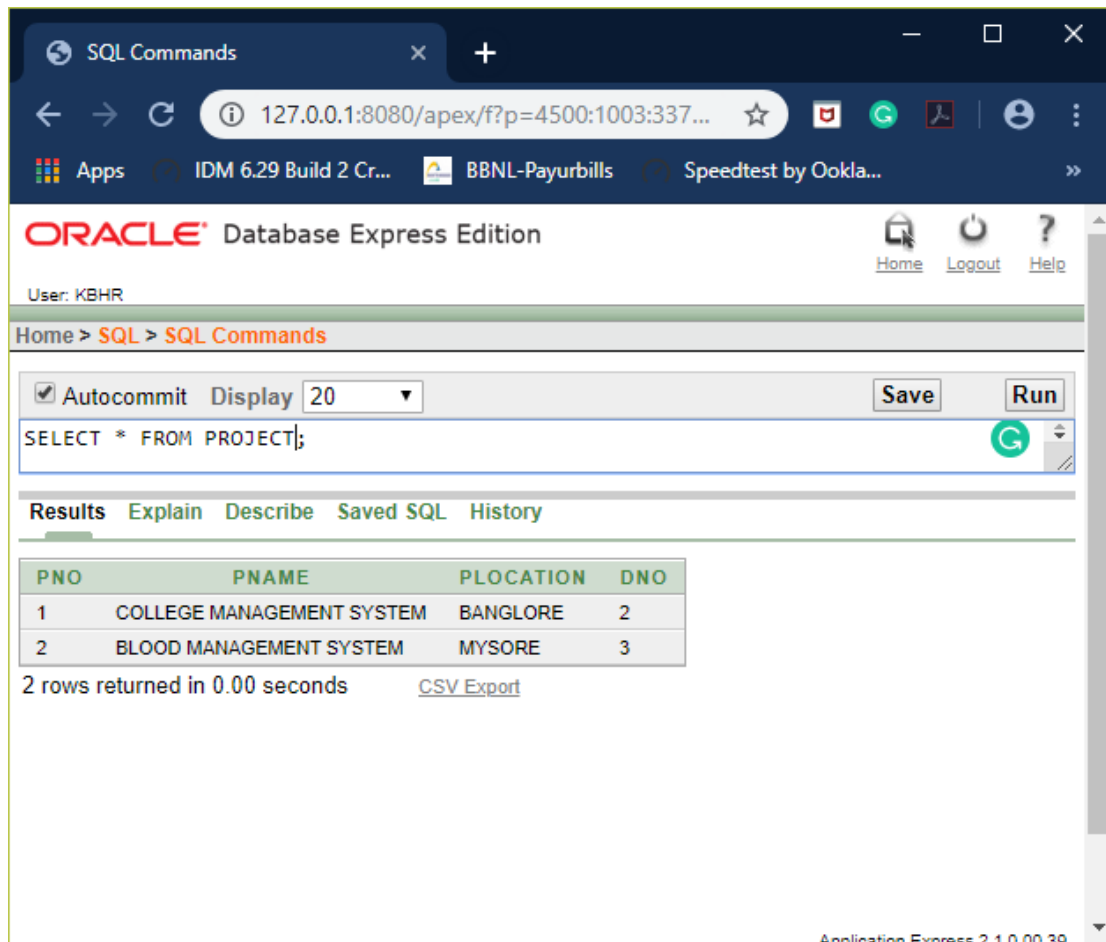
DNO	DNAME	MGR_SSN	MGR_START_DATE
1	BOARD OF DIRECTOR	-	-
2	ACCOUNTS	FVBIE001	02-FEB-18
3	IOT	FVBIE002	18-JUL-18
5	CSE	FVBIE003	01-JAN-17

4 rows returned in 0.00 seconds. [CSV Export](#)

The screenshot shows the Oracle Database Express Edition interface. The user is logged in as 'KBHR'. The SQL command entered is 'SELECT * FROM DLOCATION;'. The results table is as follows:

DNO	DLOCATION
1	NEW DELHI
2	BANGLORE
3	MYSORE
5	HYDERABAD

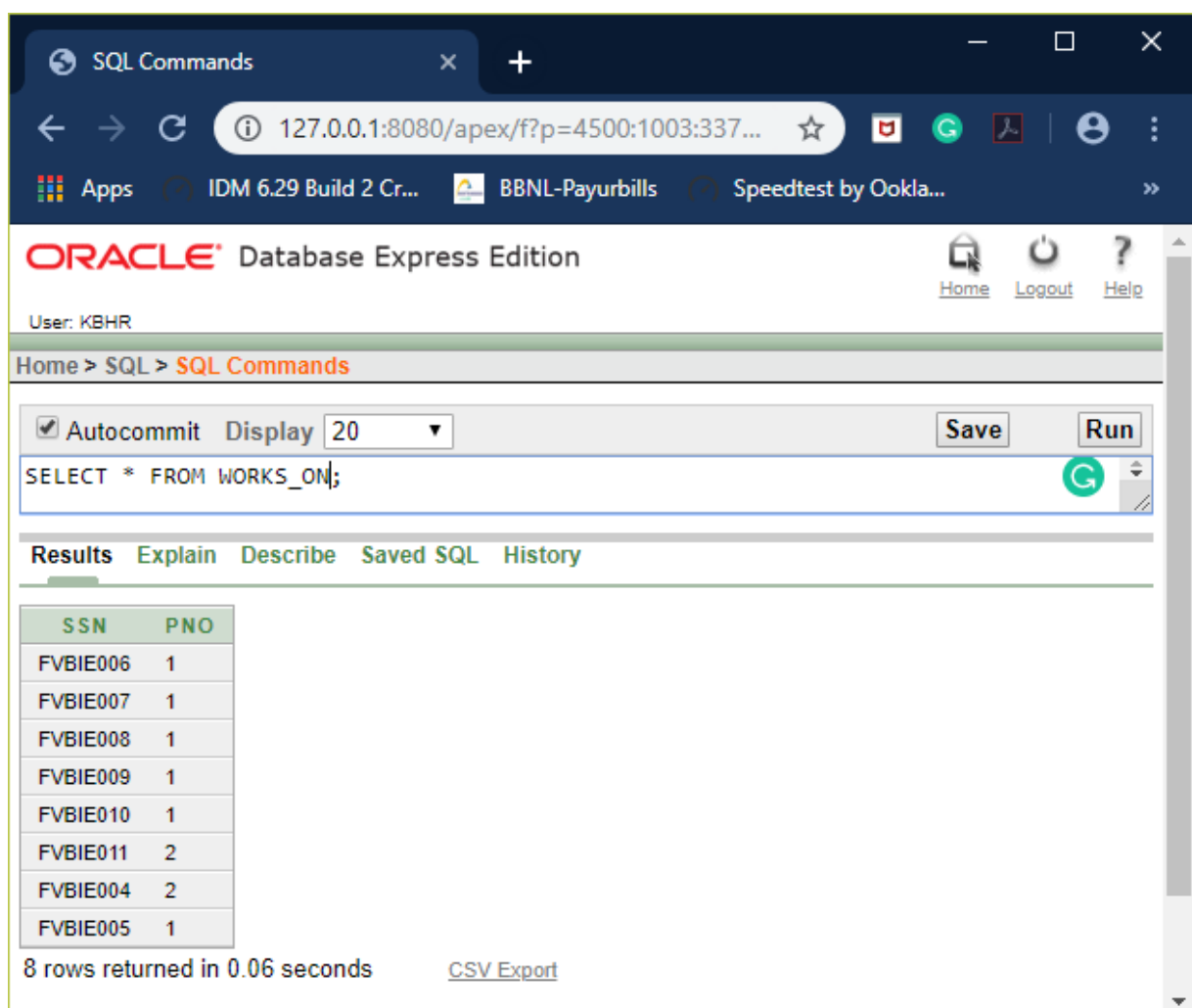
4 rows returned in 0.03 seconds. [CSV Export](#)



The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL `127.0.0.1:8080/apex/f?p=4500:1003:337...`. The user is logged in as `KBHR`. The breadcrumb navigation is `Home > SQL > SQL Commands`. The SQL command entered is `SELECT * FROM PROJECT;`. The results table is as follows:

PNO	PNAME	PLOCATION	DNO
1	COLLEGE MANAGEMENT SYSTEM	BANGLORE	2
2	BLOOD MANAGEMENT SYSTEM	MYSORE	3

2 rows returned in 0.00 seconds. [CSV Export](#)



The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL `127.0.0.1:8080/apex/f?p=4500:1003:337...`. The user is logged in as `KBHR`. The breadcrumb navigation is `Home > SQL > SQL Commands`. The SQL command entered is `SELECT * FROM WORKS_ON;`. The results table is as follows:

SSN	PNO
FVBIE006	1
FVBIE007	1
FVBIE008	1
FVBIE009	1
FVBIE010	1
FVBIE011	2
FVBIE004	2
FVBIE005	1

8 rows returned in 0.06 seconds. [CSV Export](#)

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL `127.0.0.1:8080/apex/f?p=4500:1003:337...`. The user is identified as `KBHR`. The page title is `ORACLE Database Express Edition`. The breadcrumb navigation is `Home > SQL > SQL Commands`. The interface includes a `Save` button, a `Run` button, and a `Display` dropdown set to `20`. The SQL command entered is:

```
SELECT DISTINCT P.PNO FROM PROJECT P, DEPARTMENT D, EMPLOYEE E
WHERE E.DNO=D.DNO AND D.DNO=P.PNO AND
(E.LNAME='SCOTT' OR D.MGR_SSN IN
(SELECT SSN FROM EMPLOYEE WHERE LNAME='SCOTT')
);
```

The results section shows a table with one row:

PNO
2

Below the table, it states `1 rows returned in 0.08 seconds` and provides a `CSV Export` link. The footer of the application window indicates `Application Express 2.1.0.00.30`.

The screenshot shows the Oracle Database Express Edition interface. The browser address bar displays the URL `127.0.0.1:8080/apex/f?p=4500:1003:337...`. The user is identified as `KBHR`. The page title is `ORACLE Database Express Edition`. The breadcrumb navigation is `Home > SQL > SQL Commands`. The interface includes a `Save` button, a `Run` button, and a `Display` dropdown set to `20`. The SQL command entered is:

```
SELECT E.SSN, E.FNAME, SUM(E.SALARY +(E.SALARY*0.1)) AS HIKE_10_PER
FROM EMPLOYEE E, DEPARTMENT D
WHERE E.DNO=D.DNO AND D.DNAME='IOT'
GROUP BY SSN, FNAME;
```

The results section shows a table with two rows:

SSN	FNAME	HIKE_10_PER
FVBIE011	HIMANSHU	550000
FVBIE004	MAJID	770000

Below the table, it states `2 rows returned in 0.03 seconds` and provides a `CSV Export` link. The footer of the application window indicates `Application Express 2.1.0.00.30`.

The screenshot shows a web browser window titled "SQL Commands" with the URL "127.0.0.1:8080/apex/f?p=4500:1003:337...". The browser's taskbar includes "Apps", "IDM 6.29 Build 2 Cr...", "BBNL-Payurbills", and "Speedtest by Ookla...". The application interface has a breadcrumb "Home > SQL > SQL Commands".

At the top of the command window, there is a checkbox for "Autocommit" (checked), a "Display" dropdown set to "20", and "Save" and "Run" buttons. The SQL command entered is:

```
SELECT D.DNO, COUNT(*) AS NO_OF_EMP
FROM EMPLOYEE E, DEPARTMENT D
WHERE E.DNO=D.DNO AND E.SALARY>600000
AND D.DNO IN (
                SELECT E1.DNO FROM EMPLOYEE E1
                GROUP BY E1.DNO
                HAVING COUNT(*)>5
            )
GROUP BY D.DNO;
```

Below the command, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is active, showing a table with the following data:

DNO	NO_OF_EMP
2	2

Below the table, it states "1 rows returned in 0.00 seconds" and provides a "CSV Export" link. At the bottom right, the text "Application Express 2.1.0.00.39" is visible. The footer of the application shows "Language: en-us" and "Copyright © 1999, 2006, Oracle. All rights reserved."

THE END
