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1. Tampilkan tanggal masuk dari karyawan yang pertama dan terakhir kali di pekerjaan.

**ORACLE** Application Express Welcome SYSTEM ( [Logout](#) )

Home Application Builder ▼ SQL Workshop ▼ Team Development ▼ Ad

Home > SQL Workshop > **SQL Commands**

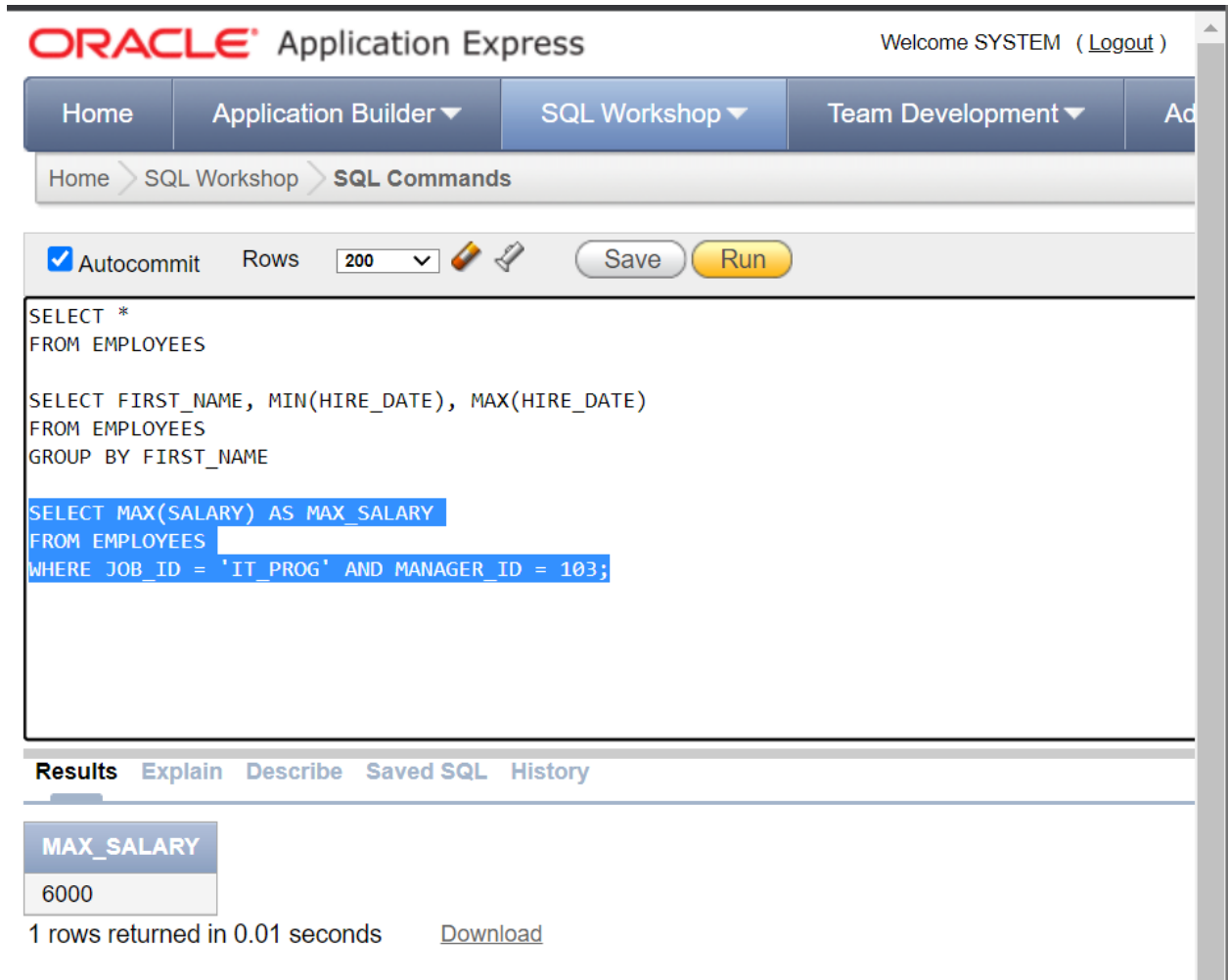
☒ Autocommit Rows   

```
SELECT *  
FROM EMPLOYEES  
  
SELECT FIRST_NAME, MIN(HIRE_DATE), MAX(HIRE_DATE)  
FROM EMPLOYEES  
GROUP BY FIRST_NAME
```

**Results** Explain Describe Saved SQL History

FIRST_NAME	MIN(HIRE_DATE)	MAX(HIRE_DATE)
Steven	06/17/2003	03/08/2008
Nancy	08/17/2002	08/17/2002
Jose Manuel	03/07/2006	03/07/2006
Sigal	07/24/2005	07/24/2005
Shanta	10/10/2005	10/10/2005
Mozhe	10/30/2005	10/30/2005
Michael	02/17/2004	08/26/2006
Ki	12/12/2007	12/12/2007

2. Tampilkan Gaji tertinggi dari seorang Programmer (IT\_PROG) dan bekerja pada manager\_id = 103



The screenshot shows the Oracle Application Express interface. At the top, the Oracle logo and 'Application Express' are displayed, along with a 'Welcome SYSTEM (Logout)' message. Below this is a navigation bar with buttons for 'Home', 'Application Builder', 'SQL Workshop', 'Team Development', and 'Ad'. The 'SQL Workshop' button is selected, and the breadcrumb trail shows 'Home > SQL Workshop > SQL Commands'.

Below the navigation bar, there is a toolbar with a checked 'Autocommit' checkbox, a 'Rows' dropdown set to '200', and 'Save' and 'Run' buttons. The main area contains the following SQL query:

```
SELECT *  
FROM EMPLOYEES  
  
SELECT FIRST_NAME, MIN(HIRE_DATE), MAX(HIRE_DATE)  
FROM EMPLOYEES  
GROUP BY FIRST_NAME  
  
SELECT MAX(SALARY) AS MAX_SALARY  
FROM EMPLOYEES  
WHERE JOB_ID = 'IT_PROG' AND MANAGER_ID = 103;
```

Below the query editor, there is a tabbed interface with 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, showing a table with one column, 'MAX\_SALARY', and one row with the value '6000'. Below the table, it states '1 rows returned in 0.01 seconds' and provides a 'Download' link.

MAX_SALARY
6000

1 rows returned in 0.01 seconds [Download](#)



3. Tampilkan total gaji dari karyawan yang memiliki nama depan berinisial B dan ganti nama kolomnya menjadi "GAJI\_KARYAWAN"

➔ Nama karyawan berinisial B

**ORACLE** Application Express Welcome SYSTEM ( [Logout](#) )

Home Application Builder ▼ SQL Workshop ▼ Team Development ▼ Ad

Home > SQL Workshop > **SQL Commands**

☒ Autocommit Rows   

```
SELECT *  
FROM EMPLOYEES  
  
SELECT FIRST_NAME, MIN(HIRE_DATE), MAX(HIRE_DATE)  
FROM EMPLOYEES  
GROUP BY FIRST_NAME  
  
SELECT MAX(SALARY) AS MAX_SALARY  
FROM EMPLOYEES  
WHERE JOB_ID = 'IT_PROG' AND MANAGER_ID = 103;  
  
SELECT FIRST_NAME, SALARY  
FROM EMPLOYEES  
WHERE FIRST_NAME LIKE 'B%';
```

**Results** Explain Describe Saved SQL History



FIRST_NAME	SALARY
Bruce	6000
Britney	3900

2 rows returned in 0.00 seconds [Download](#)

➔ Total Gaji Kedua Karyawan berinisial B

HomeApplication Builder▼SQL Workshop▼Team Development▼Ad

Home > SQL Workshop > SQL Commands

☒ AutocommitRows200▼

SaveRun

```
FROM EMPLOYEES
GROUP BY FIRST_NAME

SELECT MAX(SALARY) AS MAX_SALARY
FROM EMPLOYEES
WHERE JOB_ID = 'IT_PROG' AND MANAGER_ID = 103;

SELECT FIRST_NAME, SALARY
FROM EMPLOYEES
WHERE FIRST_NAME LIKE 'B%';

ALTER TABLE EMPLOYEES ADD GAJI_KARYAWAN INTEGER;
SELECT SUM(SALARY) AS GAJI_KARYAWAN
FROM EMPLOYEES
WHERE FIRST_NAME LIKE 'B%';
```

ResultsExplainDescribeSaved SQLHistory

GAJI\_KARYAWAN

9900

1 rows returned in 0.00 secondsDownload

4. Tampilkan rata - rata gaji dan departmen\_id dan dikelompokkan berdasarkan job\_id dan urutkan dari yang memiliki rata - rata gaji terbesar ke terkecil

WHERE FIRST\_NAME LIKE 'S%';

SELECT JOB\_ID, DEPARTMENT\_ID, AVG(SALARY) AS AVERAGE\_SALARY  
FROM EMPLOYEES  
GROUP BY JOB\_ID, DEPARTMENT\_ID  
ORDER BY AVERAGE\_SALARY DESC;

Results Explain Describe Saved SQL History

JOB_ID	DEPARTMENT_ID	AVERAGE_SALARY
AD_PRES	-	-
AD_PRES	90	24000
AD_VP	90	17000
MK_MAN	20	13000
SA_MAN	80	12200
FI_MGR	100	12008
AC_MGR	110	12008
PU_MAN	30	11000
PR_REP	70	10000
SA_REP	80	8396.55172413793103448275862068965517241
FI_ACCOUNT	100	7920
ST_MAN	50	7280
SA_REP	-	7000
HR_REP	40	6500
MK_REP	20	6000
IT_PROG	60	5760
AD_ASST	10	4400
SH_CLERK	50	3215
ST_CLERK	50	2785
PU_CLERK	30	2780

20 rows returned in 0.01 seconds [Download](#)