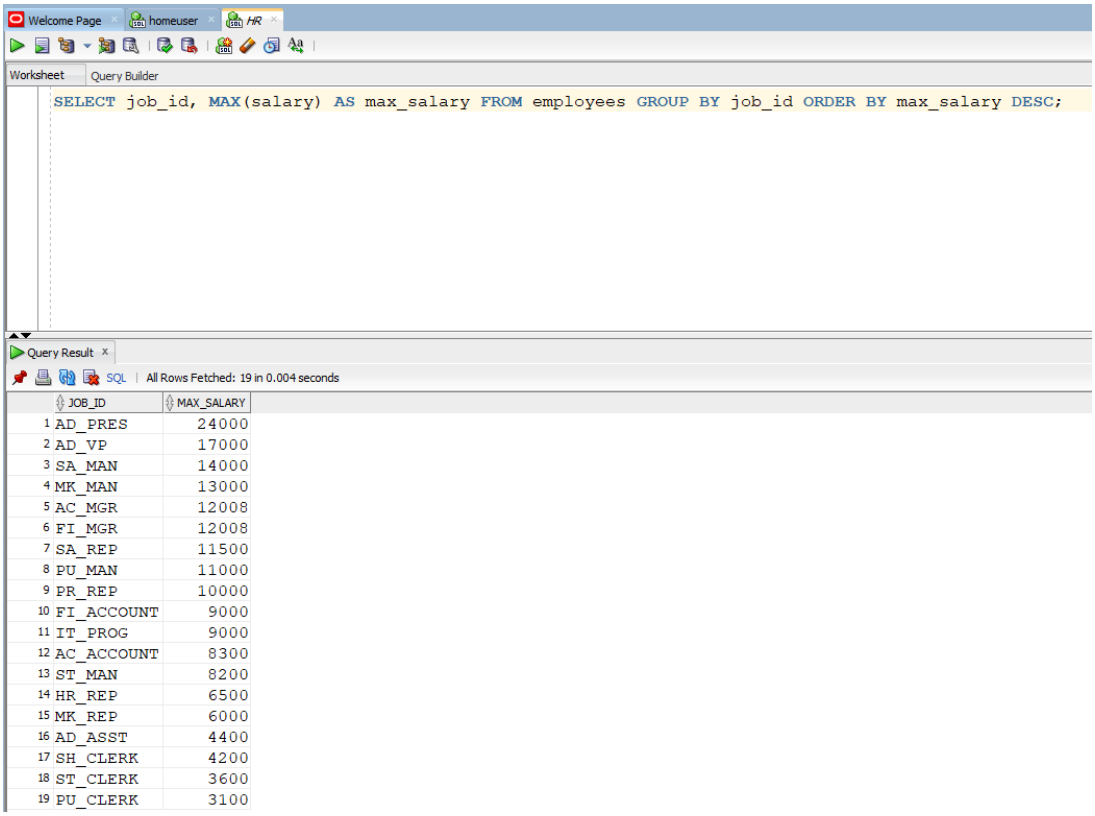
LAB 2 – HOMETASKS

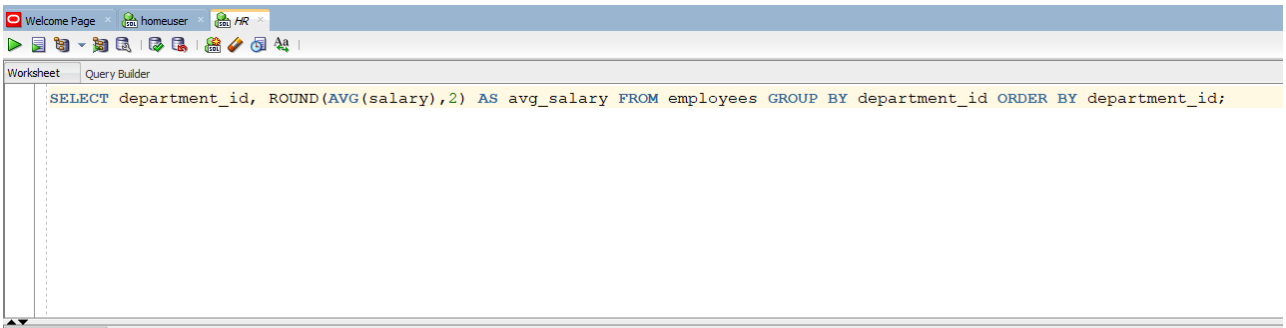
23K-0594

Q1.



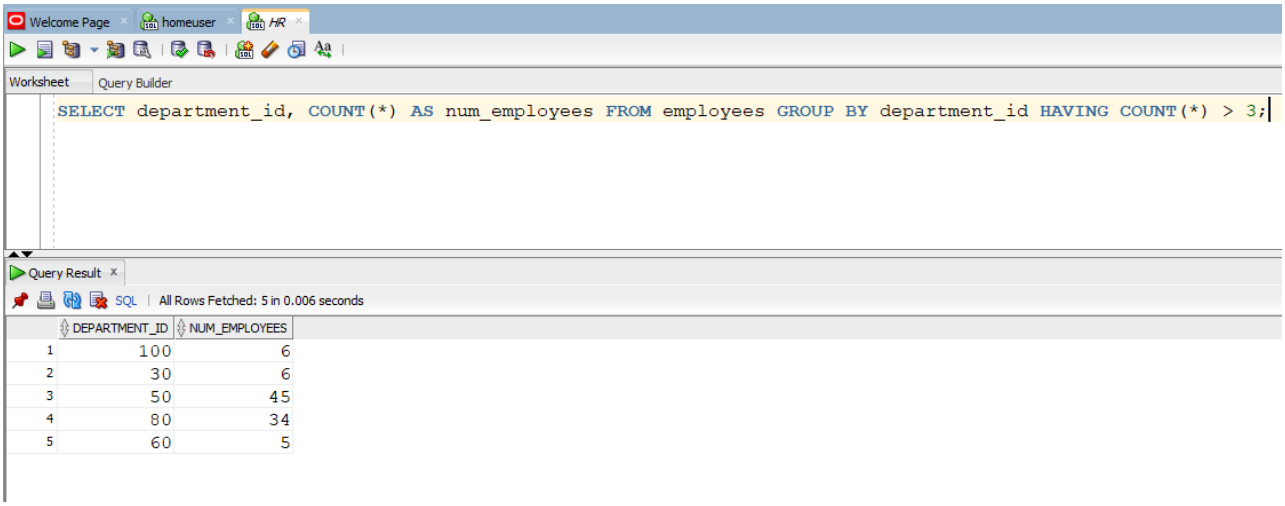
	JOB_ID	MAX_SALARY
1	AD_PRES	24000
2	AD_VP	17000
3	SA_MAN	14000
4	MK_MAN	13000
5	AC_MGR	12008
6	FI_MGR	12008
7	SA_REP	11500
8	PU_MAN	11000
9	PR_REP	10000
10	FI_ACCOUNT	9000
11	IT_PROG	9000
12	AC_ACCOUNT	8300
13	ST_MAN	8200
14	HR_REP	6500
15	MK_REP	6000
16	AD_ASST	4400
17	SH_CLERK	4200
18	ST_CLERK	3600
19	PU_CLERK	3100

Q2.

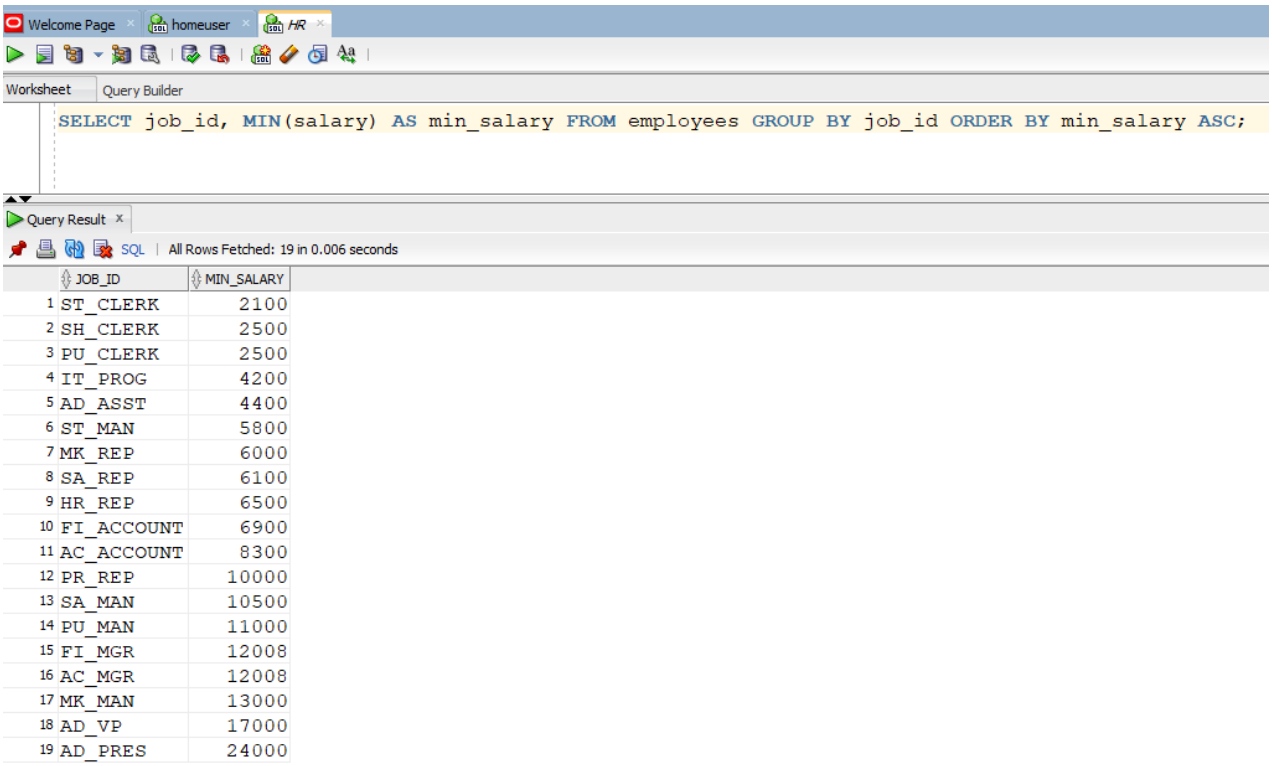


	DEPARTMENT_ID	AVG_SALARY
1	10	4400
2	20	9500
3	30	4150
4	40	6500
5	50	3475.56
6	60	5760
7	70	10000
8	80	8955.88
9	90	19333.33
10	100	8601.33
11	110	10154
12	(null)	7000

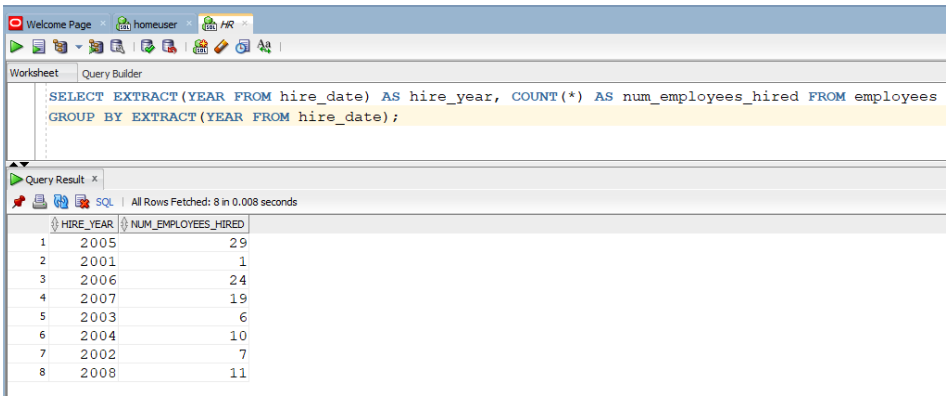
Q3.


Welcome Page
homeuser
HR
Worksheet
Query Builder
SELECT department_id, COUNT(*) AS num_employees FROM employees GROUP BY department_id HAVING COUNT(*) > 3;
Query Result
SQL | All Rows Fetched: 5 in 0.006 seconds
DEPARTMENT_ID NUM_EMPLOYEES
1 100 6
2 30 6
3 50 45
4 80 34
5 60 5

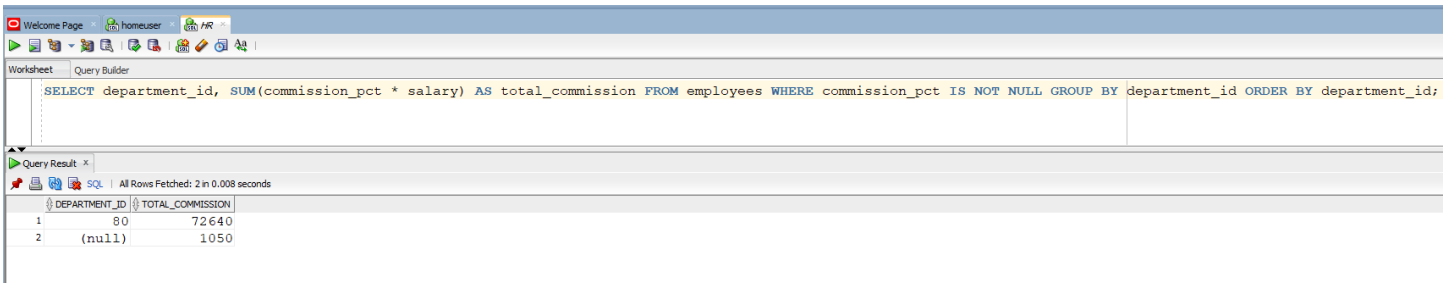
Q4.


Welcome Page
homeuser
HR
Worksheet
Query Builder
SELECT job_id, MIN(salary) AS min_salary FROM employees GROUP BY job_id ORDER BY min_salary ASC;
Query Result
SQL | All Rows Fetched: 19 in 0.006 seconds
JOB_ID MIN_SALARY
1 ST_CLERK 2100
2 SH_CLERK 2500
3 PU_CLERK 2500
4 IT_PROG 4200
5 AD_ASST 4400
6 ST_MAN 5800
7 MK_REP 6000
8 SA_REP 6100
9 HR_REP 6500
10 FI_ACCOUNT 6900
11 AC_ACCOUNT 8300
12 PR_REP 10000
13 SA_MAN 10500
14 PU_MAN 11000
15 FI_MGR 12008
16 AC_MGR 12008
17 MK_MAN 13000
18 AD_VP 17000
19 AD_PRES 24000

Q5.


Welcome Page
homeuser
HR
Worksheet
Query Builder
SELECT EXTRACT(YEAR FROM hire_date) AS hire_year, COUNT(*) AS num_employees_hired FROM employees
GROUP BY EXTRACT(YEAR FROM hire_date);
Query Result
SQL | All Rows Fetched: 8 in 0.008 seconds
HIRE_YEAR NUM_EMPLOYEES_HIRED
1 2005 29
2 2001 1
3 2006 24
4 2007 19
5 2003 6
6 2004 10
7 2002 7
8 2008 11

Q6.

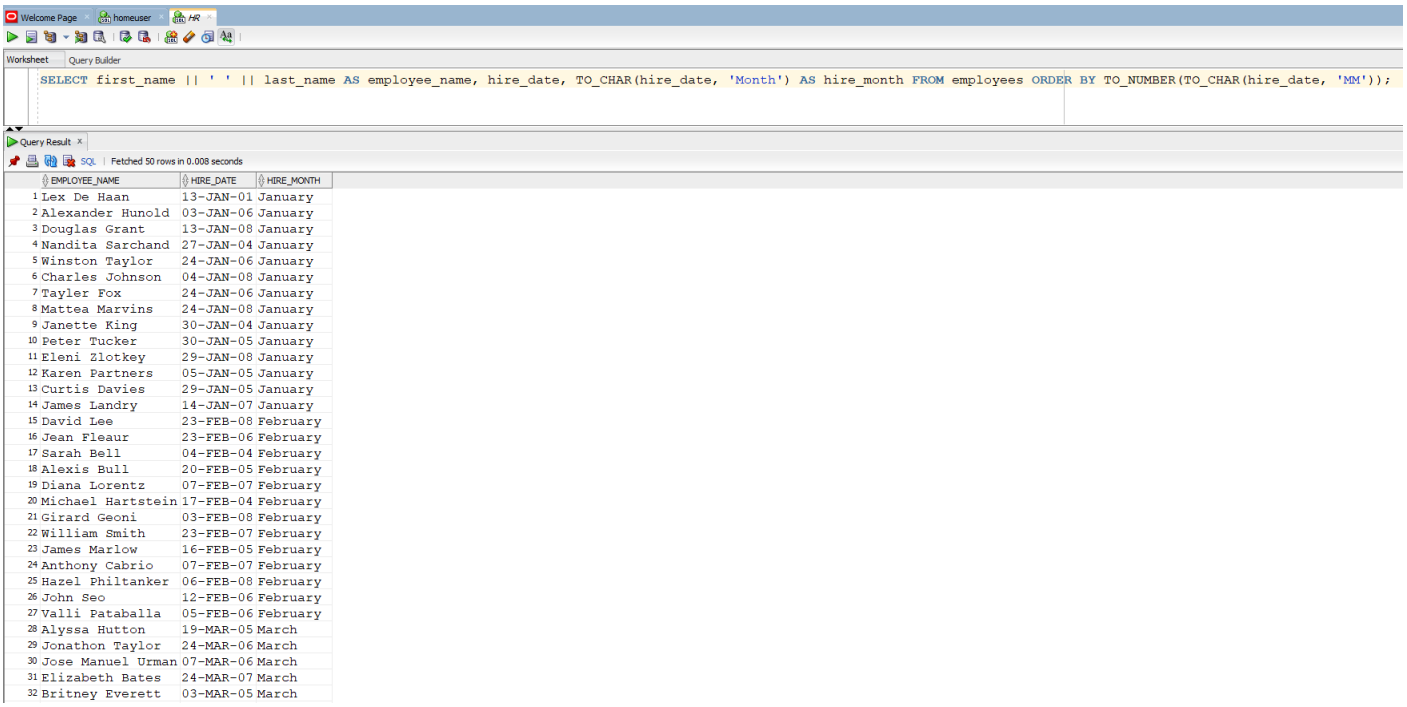


```
SELECT department_id, SUM(commission_pct * salary) AS total_commission FROM employees WHERE commission_pct IS NOT NULL GROUP BY department_id ORDER BY department_id;
```

All Rows Fetched: 2 in 0.008 seconds

	DEPARTMENT_ID	TOTAL_COMMISSION
1	80	72640
2	(null)	1050

Q7.

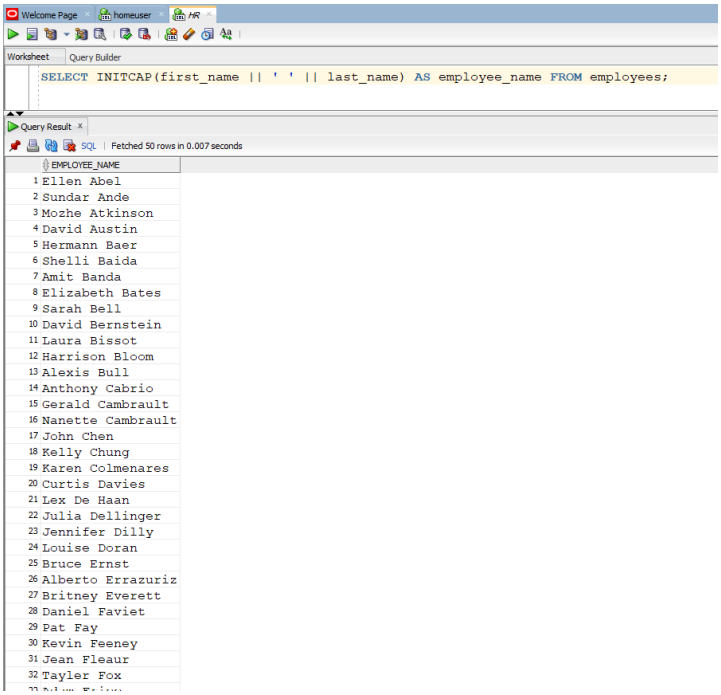


```
SELECT first_name || ' ' || last_name AS employee_name, hire_date, TO_CHAR(hire_date, 'Month') AS hire_month FROM employees ORDER BY TO_NUMBER(TO_CHAR(hire_date, 'MM'));
```

Fetched 50 rows in 0.008 seconds

	EMPLOYEE_NAME	HIRE_DATE	HIRE_MONTH
1	Lex De Haan	13-JAN-01	January
2	Alexander Hunold	03-JAN-06	January
3	Douglas Grant	13-JAN-08	January
4	Nandita Sarchand	27-JAN-04	January
5	Winston Taylor	24-JAN-06	January
6	Charles Johnson	04-JAN-08	January
7	Tayler Fox	24-JAN-06	January
8	Mattea Marvins	24-JAN-08	January
9	Janette King	30-JAN-04	January
10	Peter Tucker	30-JAN-05	January
11	Eleni Zlotkey	29-JAN-08	January
12	Karen Partners	05-JAN-05	January
13	Curtis Davies	29-JAN-05	January
14	James Landry	14-JAN-07	January
15	David Lee	23-FEB-08	February
16	Jean Fleaur	23-FEB-06	February
17	Sarah Bell	04-FEB-04	February
18	Alexis Bull	20-FEB-05	February
19	Diana Lorentz	07-FEB-07	February
20	Michael Hartstein	17-FEB-04	February
21	Girard Geoni	03-FEB-08	February
22	William Smith	23-FEB-07	February
23	James Marlow	16-FEB-05	February
24	Anthony Cabrio	07-FEB-07	February
25	Hazel Philtanker	06-FEB-08	February
26	John Seo	12-FEB-06	February
27	Valli Pataballa	05-FEB-06	February
28	Alyssa Hutton	19-MAR-05	March
29	Jonathon Taylor	24-MAR-06	March
30	Jose Manuel Urman	07-MAR-06	March
31	Elizabeth Bates	24-MAR-07	March
32	Britney Everett	03-MAR-05	March

Q8.

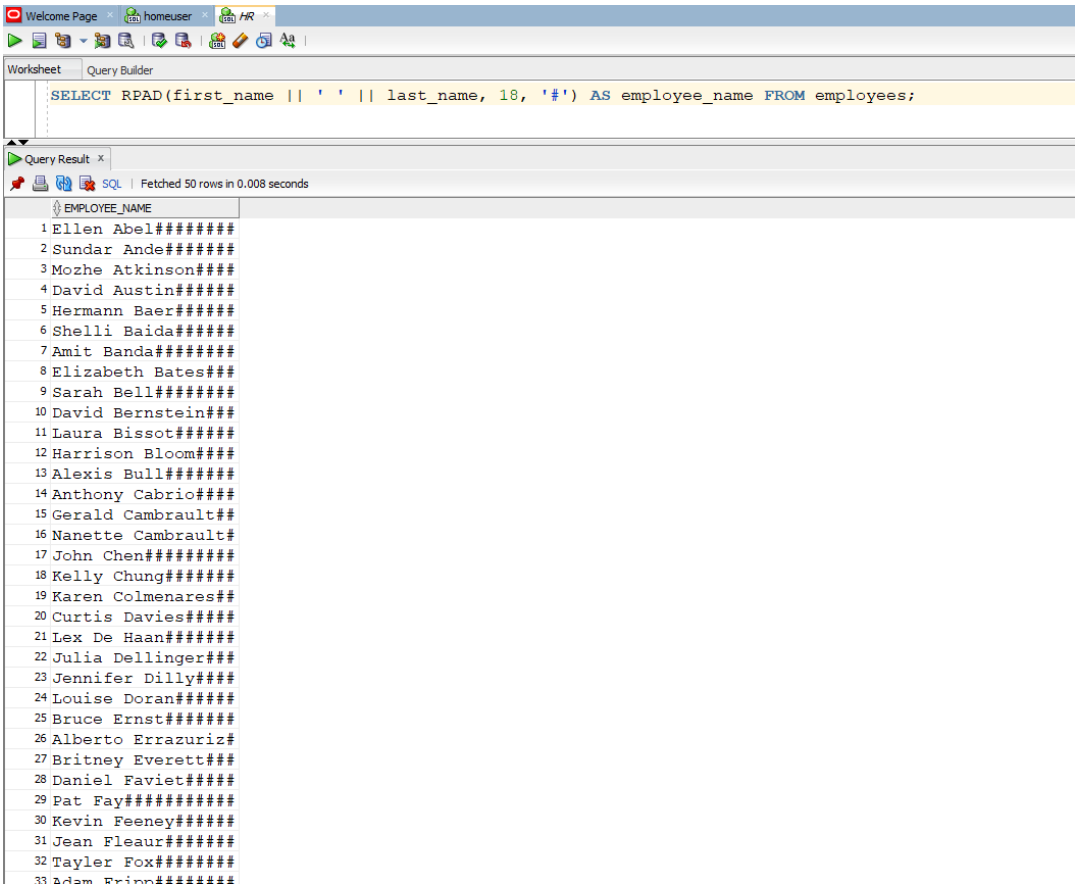


```
SELECT INITCAP(first_name || ' ' || last_name) AS employee_name FROM employees;
```

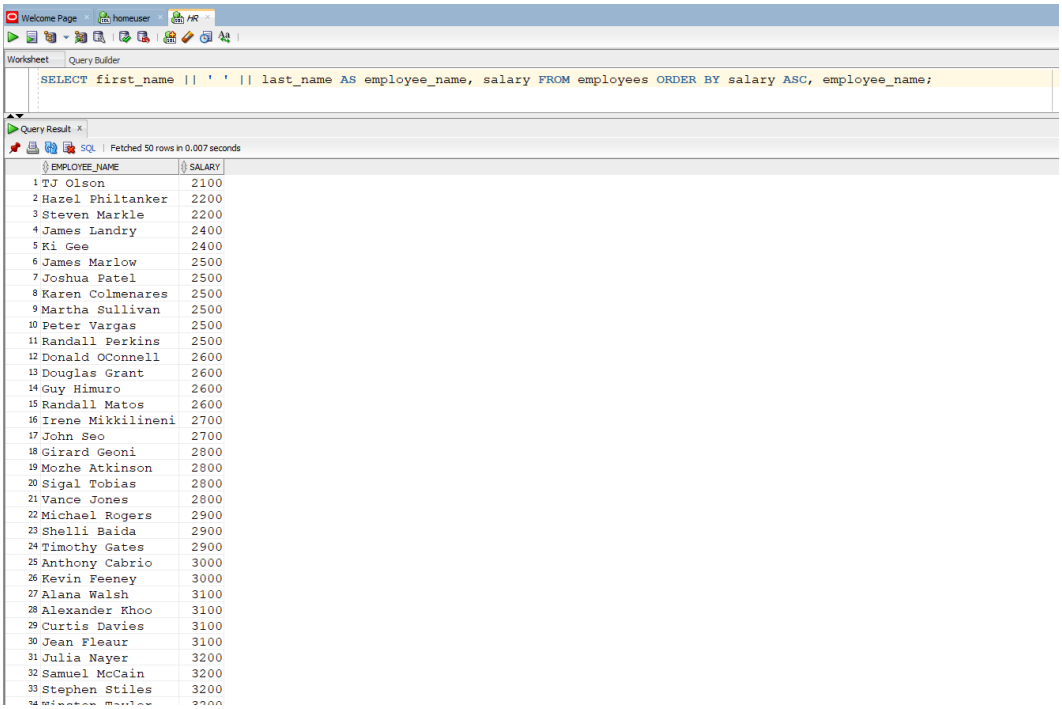
Fetched 50 rows in 0.007 seconds

	EMPLOYEE_NAME
1	Ellen Abel
2	Sundar Ande
3	Mozhe Atkinson
4	David Austin
5	Hermann Baer
6	Shelli Baida
7	Amit Banda
8	Elizabeth Bates
9	Sarah Bell
10	David Bernstein
11	Laura Bissot
12	Harrison Bloom
13	Alexis Bull
14	Anthony Cabrio
15	Gerald Cambrault
16	Nanette Cambrault
17	John Chen
18	Kelly Chung
19	Karen Colmenares
20	Curtis Davies
21	Lex De Haan
22	Julia Dellinger
23	Jennifer Dilly
24	Louise Doran
25	Bruce Ernst
26	Alberto Errazuriz
27	Britney Everett
28	Daniel Faviet
29	Pat Fay
30	Kevin Feeney
31	Jean Fleaur
32	Tayler Fox

Q9.


Welcome Page
homeuser
HR
Worksheet
Query Builder
SELECT RPAD(first_name || ' ' || last_name, 18, '#') AS employee_name FROM employees;
Query Result
SQL | Fetched 50 rows in 0.008 seconds
EMPLOYEE_NAME
1 Ellen Abel########
2 Sundar Ande#######
3 Mozhe Atkinson####
4 David Austin######
5 Hermann Baer######
6 Shelli Baida######
7 Amit Banda########
8 Elizabeth Bates###
9 Sarah Bell########
10 David Bernstein###
11 Laura Bissot######
12 Harrison Bloom####
13 Alexis Bull#######
14 Anthony Cabrio####
15 Gerald Cambrault##
16 Nanette Cambrault#
17 John Chen#########
18 Kelly Chung#######
19 Karen Colmenares##
20 Curtis Davies#####
21 Lex De Haan#######
22 Julia Dellinger###
23 Jennifer Dilly####
24 Louise Doran######
25 Bruce Ernst#######
26 Alberto Errazuriz#
27 Britney Everett###
28 Daniel Faviet#####
29 Pat Fay###########
30 Kevin Feeney######
31 Jean Fleaur#######
32 Tayler Fox########

Q10.


Welcome Page
homeuser
HR
Worksheet
Query Builder
SELECT first_name || ' ' || last_name AS employee_name, salary FROM employees ORDER BY salary ASC, employee_name;
Query Result
SQL | Fetched 50 rows in 0.007 seconds
EMPLOYEE_NAME SALARY
1 TJ Olson 2100
2 Hazel Philtanker 2200
3 Steven Markle 2200
4 James Landry 2400
5 Ki Gee 2400
6 James Marlow 2500
7 Joshua Patel 2500
8 Karen Colmenares 2500
9 Martha Sullivan 2500
10 Peter Vargas 2500
11 Randall Perkins 2500
12 Donald OConnell 2600
13 Douglas Grant 2600
14 Guy Himuro 2600
15 Randall Matos 2600
16 Irene Mikkilineni 2700
17 John Seo 2700
18 Girard Geoni 2800
19 Mozhe Atkinson 2800
20 Sigal Tobias 2800
21 Vance Jones 2800
22 Michael Rogers 2900
23 Shelli Baida 2900
24 Timothy Gates 2900
25 Anthony Cabrio 3000
26 Kevin Feeney 3000
27 Alana Walsh 3100
28 Alexander Khoo 3100
29 Curtis Davies 3100
30 Jean Fleaur 3100
31 Julia Nayer 3200
32 Samuel McCain 3200
33 Stephen Stiles 3200