Q1. Write a query to display the last name and hire date of any employee in the same department as Zlotkey. Exclude Zlotkey.

SQL QUERY:

```
1    /*Write a query to display the last name and hire date of any
2    employee in the same department as Zlotkey. Exclude Zlotkey.*/
3
4    SELECT LAST_NAME,HIRE_DATE
5    FROM HR.EMPLOYEES
6    WHERE DEPARTMENT_ID IN
7    (SELECT DEPARTMENT_ID
8    FROM HR.EMPLOYEES
9    WHERE LAST_NAME='Zlotkey')
10   AND LAST_NAME<>'Zlotkey'
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼ Execution time: 0.008 seconds

	LAST_NAME	HIRE_DATE
1	Singh	10/1/2014, 12:00:00 AM
2	Partners	1/5/2015, 12:00:00 AM
3	Errazuriz	3/10/2015, 12:00:00 AM
4	Cambrault	10/15/2017, 12:00:00 AM
5	Tucker	1/30/2015, 12:00:00 AM
6	Bernstein	3/24/2015, 12:00:00 AM
7	Hall	8/20/2015, 12:00:00 AM
8	Olsen	3/30/2016, 12:00:00 AM

Download ▼   Execution time: 0.008 seconds

	LAST_NAME	HIRE_DATE
26	Smith	2/23/2017, 12:00:00 AM
27	Bates	3/24/2017, 12:00:00 AM
28	Kumar	4/21/2018, 12:00:00 AM
29	Abel	5/11/2014, 12:00:00 AM
30	Hutton	3/19/2015, 12:00:00 AM
31	Taylor	3/24/2016, 12:00:00 AM
32	Livingston	4/23/2016, 12:00:00 AM
33	Johnson	1/4/2018, 12:00:00 AM

Q2. Create a query to display the employee numbers and last names of all employees who earn more than the average salary. Sort the results in ascending order of salary.

SQL QUERY:

```
1    /* Create a query to display the employee numbers and last names
2    of all employees who earn more than the average salary. Sort the
3    results in ascending order of salary.*/
4
5    SELECT EMPLOYEE_ID,LAST_NAME,SALARY
6    FROM HR.EMPLOYEES
7    WHERE SALARY>
8    (SELECT AVG(SALARY)
9    FROM HR.EMPLOYEES)
10   ORDER BY SALARY;
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.006 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY
1	203	Jacobs	6500
2	123	Vollman	6500
3	165	Lee	6800
4	113	Popp	6900
5	155	Tuvault	7000
6	161	Sewall	7000
7	178	Grant	7000
8	164	Marvins	7200

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.006 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY
44	108	Gruenberg	12008
45	205	Higgins	12008
46	201	Martinez	13000
47	146	Partners	13500
48	145	Singh	14000
49	102	Garcia	17000
50	101	Yang	17000
51	100	King	24000

Q3. Write a query that displays the employee numbers and last names of all employees who work in a department with any employee whose last name contains a *u*.

SQL QUERY:

```
1   /*Write a query that displays the employee numbers and last names
2   of all employees who work in a department with any employee
3   whose last name contains a u.*/
4
5   SELECT EMPLOYEE_ID,LAST_NAME
6   FROM HR.EMPLOYEES
7   WHERE DEPARTMENT_ID IN
8   (SELECT DEPARTMENT_ID
9   FROM HR.EMPLOYEES
10  WHERE LAST_NAME LIKE '%u%');
```

OUTPUT:

Query result	Script output	DBMS output	Explain Plan	SQL history

Download ▼ Execution time: 0.009 seconds

	EMPLOYEE_ID	LAST_NAME
1	120	Weiss
2	121	Fripp
3	122	Kaufling
4	123	Vollman
5	124	Mourgos
6	125	Nayer
7	126	Mikkilineni
8	127	Landry

Query result	Script output	DBMS output	Explain Plan	SQL history

Download ▼ Execution time: 0.009 seconds

	EMPLOYEE_ID	LAST_NAME
89	117	Tobias
90	118	Himuro
91	119	Colmenares
92	103	James
93	104	Miller
94	105	Williams
95	106	Jackson
96	107	Nguyen

Q4. Display the last name, department number, and job ID of all employees whose department location ID is 1700.

SQL QUERY:

```
1    /*Display the last name, department number, and job ID of all
2    employees whose department location ID is 1700.*/
3
4    SELECT LAST_NAME,DEPARTMENT_ID,JOB_ID
5    FROM HR.EMPLOYEES
6    WHERE DEPARTMENT_ID IN
7    (SELECT DEPARTMENT_ID
8    FROM HR.DEPARTMENTS
9    WHERE LOCATION_ID=1700)
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.009 seconds

	LAST_NAME	DEPARTMENT_ID	JOB_ID
1	King	90	AD_PRES
2	Yang	90	AD_VP
3	Garcia	90	AD_VP
4	Gruenberg	100	FI_MGR
5	Faviet	100	FI_ACCOUNT
6	Chen	100	FI_ACCOUNT
7	Sciarra	100	FI_ACCOUNT
8	Urman	100	FI_ACCOUNT

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.009 seconds

	LAST_NAME	DEPARTMENT_ID	JOB_ID
11	Khoo	30	PU_CLERK
12	Baida	30	PU_CLERK
13	Tobias	30	PU_CLERK
14	Himuro	30	PU_CLERK
15	Colmenares	30	PU_CLERK
16	Whalen	10	AD_ASST
17	Higgins	110	AC_MGR
18	Gietz	110	AC_ACCOUNT

Q5. Display the last name and salary of every employee who reports to King.

SQL QUERY:

```
1    /*Display the last name and salary of every employee who reports
2    to King.*/
3
4    SELECT LAST_NAME,SALARY
5    FROM HR.EMPLOYEES
6    WHERE MANAGER_ID IN
7    (SELECT EMPLOYEE_ID
8    FROM HR.EMPLOYEES
9    WHERE LAST_NAME='King')
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.006 seconds

	LAST_NAME	SALARY
1	Yang	17000
2	Garcia	17000
3	Li	11000
4	Weiss	8000
5	Fripp	8200
6	Kaufling	7900

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.006 seconds

	LAST_NAME	SALARY
7	Vollman	6500
8	Mourgos	5800
9	Singh	14000
10	Partners	13500
11	Errazuriz	12000
12	Cambrault	11000
13	Zlotkey	10500
14	Martinez	13000

Q6. Display the department number, last name, and job ID for every employee in the Executive department.

SQL QUERY:

```
1    /*Display the department number, last name, and job ID for every
2    employee in the Executive department.*/
3
4    SELECT DEPARTMENT_ID,LAST_NAME,JOB_ID
5    FROM HR.EMPLOYEES
6    WHERE DEPARTMENT_ID IN
7    (SELECT DEPARTMENT_ID
8    FROM HR.DEPARTMENTS
9    WHERE DEPARTMENT_NAME='Executive');
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

🗑 ⓘ   Download ▼   Execution time: 0.008 seconds

	DEPARTMENT_ID	LAST_NAME	JOB_ID
1	90	King	AD_PRES
2	90	Yang	AD_VP
3	90	Garcia	AD_VP

Q7. Modify the query in Q6 to display the employee numbers, last names, and salaries of all employees who earn more than the average salary and who work in a department with any employee with a *u* in their name.

SQL QUERY:

```
1    /*Modify the query in Q6 to display the employee numbers,last names
2    and salaries of all employees who earn more than the average
3    salary and who work in a department with any employee with a u
4    in their name*/
5
6    SELECT EMPLOYEE_ID,LAST_NAME,SALARY
7    FROM HR.EMPLOYEES
8    WHERE SALARY>
9    (SELECT AVG(SALARY)
10   FROM HR.EMPLOYEES)
11   AND DEPARTMENT_ID IN
12   (SELECT DEPARTMENT_ID
13   FROM HR.EMPLOYEES
14   WHERE LAST_NAME LIKE '%u%')
```

OUTPUT:

Query result   Script output   DBMS output   Explain Plan   SQL history

Download ▼   Execution time: 0.007 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY
1	120	Weiss	8000
2	121	Fripp	8200
3	122	Kaufling	7900
4	123	Vollman	6500
5	145	Singh	14000
6	146	Partners	13500
7	147	Errazuriz	12000
8	148	Cambrault	11000

Download ▼   Execution time: 0.007 seconds

	EMPLOYEE_ID	LAST_NAME	SALARY
35	108	Gruenberg	12008
36	109	Faviet	9000
37	110	Chen	8200
38	111	Sciarra	7700
39	112	Urman	7800
40	113	Popp	6900
41	114	Li	11000
42	103	James	9000