

GAZİ ÜNİVERSİTESİ BİLGİSAYAR MÜHENDİSLİĞİ
CENG364 DATABASE APPLICATIONS
Gamze Aksu – 171180005 – ASSIGNMENT2

Soru 1:

```
3 select last_name,department_id
4 from employees
5 where department_id=20 or department_id=50
6 order by last_name asc
```

LAST_NAME	DEPARTMENT_ID
Atkinson	50
Bell	50
Bissot	50
Bull	50
Cabrio	50
Chung	50
Davies	50
Dellinger	50
Dilly	50
Everett	50
Fay	20
Feeney	50

Soru 2:

```
9 select last_name,salary,commission_pct
10 from employees
11 where commission_pct >= 0
12 order by 2 desc, 3 desc
```

LAST_NAME	SALARY	COMMISSION_PCT
Russell	14000	.4
Partners	13500	.3
Errazuriz	12000	.3
Ozer	11500	.25
Cambrault	11000	.3
Abel	11000	.3
Vishney	10500	.25
Zlotkey	10500	.2
King	10000	.35
Tucker	10000	.3
Bloom	10000	.2

Soru 3:

```
select last_name, salary  
from employees  
where &condition
```

Soru 4:

```
12  
13 select last_name  
14 from employees  
15 where last_name like '%e%' and last_name like '%a%'
```

LAST_NAME
Whalen
Hartstein
Baer
De Haan
Faviet
Raphaely
Colmenares
Nayer
Markle
Philtanker
Patel
Davies
Partners

Soru 5:

```
20 select last_name, job_id, salary
21 from employees
22 where job_id in ('ST_CLERK', 'SA_REP') and
23 salary not in (2500, 3500, 7000)
```

LAST_NAME	JOB_ID	SALARY
Nayer	ST_CLERK	3200
Mikkilineni	ST_CLERK	2700
Landry	ST_CLERK	2400
Markle	ST_CLERK	2200
Bissot	ST_CLERK	3300
Atkinson	ST_CLERK	2800
Olson	ST_CLERK	2100
Mallin	ST_CLERK	3300
Rogers	ST_CLERK	2900
Gee	ST_CLERK	2400
Philtanker	ST_CLERK	2200
Ladwig	ST_CLERK	3600
Stiles	ST_CLERK	3200

Soru 6:

```
26 select employee_id,last_name,salary,  
27 round(salary+salary*15.5/100) as "New Salary"  
28 from employees
```

EMPLOYEE_ID	LAST_NAME	SALARY	New Salary
198	OConnell	2600	3003
199	Grant	2600	3003
200	Whalen	4400	5082
201	Hartstein	13000	15015
202	Fay	6000	6930
203	Mavris	6500	7508
204	Baer	10000	11550
205	Higgins	12008	13869
206	Gietz	8300	9587
100	King	24000	27720
101	Kochhar	17000	19635
102	De Haan	17000	19635
103	Hunold	9000	10395

Soru 7:

```
1 select employee_id,last_name,salary,  
2 round(salary+salary*15.5/100) as "New Salary",  
3 round(salary+salary*15.5/100) - salary as Increase  
4 from employees  
5
```

EMPLOYEE_ID	LAST_NAME	SALARY	New Salary	INCREASE
100	King	24000	27720	3720
101	Kochhar	17000	19635	2635
102	De Haan	17000	19635	2635
103	Hunold	9000	10395	1395
104	Ernst	6000	6930	930
105	Austin	4800	5544	744
106	Pataballa	4800	5544	744
107	Lorentz	4200	4851	651
108	Greenberg	12008	13869	1861
109	Faviet	9000	10395	1395
110	Chen	8200	9471	1271
111	Sciarra	7700	8894	1194
112	Urman	7800	9009	1209

Soru 8:

```
2 select initcap(last_name) as "Last Name",  
3 length(last_name) as "Length"  
4 from employees  
5 where last_name like 'J%' or last_name like 'A%'  
6 or last_name like 'M%'  
7 order by last_name
```

Last Name	Length
Abel	4
Ande	4
Atkinson	8
Austin	6
Johnson	7
Jones	5
Mallin	6
Markle	6
Marlow	6
Marvins	7
Matos	5

Soru 9:

```
select initcap(last_name) as "Last Name",  
length(last_name) as "Length"  
from employees  
where last_name like '&harf%'  
order by last_name
```

Soru 10:

```
50 select last_name, trunc((SYSDATE-hire_date)/7)as tenure
51 from employees
52 where department_id=90
53 order by tenure desc
54
```

LAST_NAME	TENURE
De Haan	1034
King	908
Kochhar	790

Soru 11:

```
56 select last_name,
57 nvl(to_char(commission_pct),'No Commission') as COMM
58 from employees
```

LAST_NAME	COMM
King	No Commission
Kochhar	No Commission
De Haan	No Commission
Hunold	No Commission
Ernst	No Commission
Austin	No Commission
Pataballa	No Commission
Lorentz	No Commission
Greenberg	No Commission
Faviet	No Commission
Chen	No Commission
Sciarra	No Commission
Urman	No Commission
Popp	No Commission

Soru 12:

```

61 select last_name,
62 hire_date, to_char(next_day(add_months(hire_date,6),'MONDAY'),'Day, "the" fmDdspth "of" Month, YYYY')
63 as REVIEW
64 from employees

```

LAST_NAME	HIRE_DATE	REVIEW
King	17-JUN-03	Monday , the Twenty-Second of December, 2003
Kochhar	21-SEP-05	Monday , the Twenty-Seventh of March, 2006
De Haan	13-JAN-01	Monday , the Sixteenth of July, 2001
Hunold	03-JAN-06	Monday , the Tenth of July, 2006
Ernst	21-MAY-07	Monday , the Twenty-Sixth of November, 2007
Austin	25-JUN-05	Monday , the Twenty-Sixth of December, 2005
Pataballa	05-FEB-06	Monday , the Seventh of August, 2006
Lorentz	07-FEB-07	Monday , the Thirteenth of August, 2007
Greenberg	17-AUG-02	Monday , the Twenty-Fourth of February, 2003
Faviet	16-AUG-02	Monday , the Seventeenth of February, 2003
Chen	28-SEP-05	Monday , the Third of April, 2006
Sciarra	30-SEP-05	Monday , the Third of April, 2006
Urman	07-MAR-06	Monday , the Eleventh of September, 2006
Popp	07-DEC-07	Monday , the Ninth of June, 2008

Soru 13:

```

67 select job_id, decode(job_id, 'AD_PRES', 'A',
68                               'ST_MAN', 'B',
69                               'IT_PROG', 'C',
70                               'SA_REP', 'D',
71                               'ST_CLERK', 'E' ,0) as grade
72 from employees

```

JOB_ID	GRADE
AD_PRES	A
AD_VP	0
AD_VP	0
IT_PROG	C
IT_PROG	C
IT_PROG	C
IT_PROG	C
IT_PROG	C
FI_MGR	0
FI_ACCOUNT	0
FI_ACCOUNT	0
FI_ACCOUNT	0