

GAZİ UNIVERSITY COMPUTER ENGINEERING
CENG364 DATABASE APPLICATIONS
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Soru 1: TRUE

Soru 2: FALSE

Soru 3:

1-There must be a comma after the last_name .

2- “sal” must be “salary” .

3- Using “x” is wrong. Correct usage must be “*” .

4- Using ANNUAL SALARY is wrong. Correct usage should be ‘ANNUAL_SALARY’ or “ANNUAL SALARY” .

```
6
7 SELECT employee_id, last_name,
8 salary*12 as ANNUAL_SALARY
9 FROM employees;
10 |
```

EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
100	King	288000
101	Kochhar	204000
102	De Haan	204000
103	Hunold	108000
104	Ernst	72000
105	Austin	57600
106	Pataballa	57600
107	Lorentz	50400

Soru 4:
DESCRIBE departments;

```
4 select * from departments;
```

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700
40	Human Resources	203	2400
50	Shipping	121	1500
60	IT	103	1400
70	Public Relations	204	2700
80	Sales	145	2500

Soru 5:
DESCRIBE employees;

Soru 6:

```
16 select employee_id, last_name, job_id, hire_date as STARTDATE  
17 from employees;
```

EMPLOYEE_ID	LAST_NAME	JOB_ID	STARTDATE
100	King	AD_PRES	17-JUN-03
101	Kochhar	AD_VP	21-SEP-05
102	De Haan	AD_VP	13-JAN-01
103	Hunold	IT_PROG	03-JAN-06
104	Ernst	IT_PROG	21-MAY-07
105	Austin	IT_PROG	25-JUN-05
106	Pataballa	IT_PROG	05-FEB-06
107	Lorentz	IT_PROG	07-FEB-07

Soru 7:

```
19 select distinct job_id
20 from employees;
```

JOB_ID
AD_VP
FI_ACCOUNT
PU_CLERK
SH_CLERK
HR_REP
PU_MAN
AC_MGR

Soru 8:

```
22 select employee_id as "Emp #",
23 last_name as "Employee",
24 job_id as "Job",
25 hire_date as "Hire Date"
26 from employees;
```

Emp #	Employee	Job	Hire Date
100	King	AD_PRES	17-JUN-03
101	Kochhar	AD_VP	21-SEP-05
102	De Haan	AD_VP	13-JAN-01
103	Hunold	IT_PROG	03-JAN-06
104	Ernst	IT_PROG	21-MAY-07
105	Austin	IT_PROG	25-JUN-05
106	Pataballa	IT_PROG	05-FEB-06
107	Lorentz	IT_PROG	07-FEB-07

Soru 9:

```
21  
22 select last_name || ',' || job_id as "Employee and Title"  
23 from employees;
```

Employee and Title
King,AD_PRES
Kochhar,AD_VP
De Haan,AD_VP
Hunold,IT_PROG
Ernst,IT_PROG
Austin,IT_PROG

Soru 10:

```
25 SELECT last_name, salary  
26 FROM employees  
27 WHERE salary not between 5000 and 12000
```

LAST_NAME	SALARY
King	24000
Kochhar	17000
De Haan	17000
Austin	4800
Pataballa	4800
Lorentz	4200

Soru 11:

```
29 select last_name as "Employee" , salary as "Monthly Salary"
30 from employees
31 where salary between 5000 and 12000 |
32 and department_id between 20 and 50
```

Employee	Monthly Salary
Raphaely	11000
Weiss	8000
Fripp	8200
Kaufling	7900
Vollman	6500
Mourgos	5800
...	...

Soru 12:

```
34 select last_name, hire_date
35 from employees
36 where hire_date between '01-JAN-02' and '31-DEC-02' |
```

LAST_NAME	HIRE_DATE
Greenberg	17-AUG-02
Faviet	16-AUG-02
Raphaely	07-DEC-02
Mavris	07-JUN-02
Baer	07-JUN-02
Higgins	07-JUN-02
Gietz	07-JUN-02