

## Lab Assignment No-01

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Class: TE-Comps B	Batch: B3
Date of Experiment: 14/07/2020	Date of Submission: 24/11/2020
Grade :	

1. a. Display the names of ALL the tables in your Oracle account.

1 `SELECT * FROM TAB;`

TNAME	TABTYPE	CLUSTERID
DBMS_XPLAN	SYNONYM	-
DEPARTMENTS	TABLE	-
EMPLOYEES	TABLE	-
JOB_GRADES	TABLE	-
LOCATIONS	TABLE	-
V\$SESSION	SYNONYM	-
V\$SQL	SYNONYM	-
V\$SQLSTATS	SYNONYM	-
V\$SQL_PLAN	SYNONYM	-
V\$SQL_PLAN_STATISTICS_ALL	SYNONYM	-

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10 rows selected.

b. Display the structure of the table DEPARTMENTS.

1

SELECT \* FROM DEPARTMENTS;

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
20	Marketing	201	1800
10	Administration	200	1700
50	Shipping	124	1500
60	IT	103	1400
80	Sales	149	2500
90	Executive	100	1700
110	Accounting	205	1700
190	Contracting	-	1700

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8 rows selected.

c. Display the structure of the table JOB\_GRADES.

1

SELECT \* FROM JOB\_GRADES;

GRA	LOWEST_SAL	HIGHEST_SAL
A	1000	2999
B	3000	5999
C	6000	9999
D	10000	14999
E	15000	24999
F	25000	40000

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6 rows selected.

d. Display all the records from the DEPARTMENTS table.

1	SELECT DEPARTMENT_ID FROM EMPLOYEES;
DEPARTMENT_ID	
90	
90	
90	
60	
60	
60	
50	
50	
50	
50	
50	
80	
80	
80	
-	
10	
20	
20	
110	
110	
Download CSV	
20 rows selected.	

- e. Display all the records from the JOB\_GRADES table.

1	SELECT JOB_ID FROM EMPLOYEES;
JOB_ID	
AD_PRES	
AD_VP	
AD_VP	
IT_PROG	
IT_PROG	
IT_PROG	
ST_MAN	
ST_CLERK	
ST_CLERK	
ST_CLERK	
ST_CLERK	
SA_MAN	
SA_REP	
SA_REP	
SA_REP	
AD_ASST	
MK_MAN	
MK_REP	
AC_MGR	
AC_ACCOUNT	

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20 rows selected.

2. Create a query to display the last name, job\_id, and employee id for each employee, with employee id appearing first. Provide an alias for the columns.

```
1 SELECT EMPLOYEE_ID AS "EMPLOYEE ID", LAST_NAME AS "SURNAME", JOB_ID AS "JOB ID" FROM EMPLOYEES;
```

EMPLOYEE ID	SURNAME	JOB ID
100	king	AD_PRES
101	Kochhar	AD_VP
102	De Haan	AD_VP
103	Hunold	IT_PROG
104	Ernst	IT_PROG
107	Lorentz	IT_PROG
124	Mourgos	ST_MAN
141	Rajs	ST_CLERK
142	Davies	ST_CLERK
143	Matos	ST_CLERK
144	Vargas	ST_CLERK
149	Zlotkey	SA_MAN
174	Abel	SA_REP
176	Taylor	SA_REP
178	Grant	SA_REP
200	Whalen	AD_ASST
201	Hartstein	MK_MAN
202	Fay	MK_REP
205	Higgins	AC_MGR
206	Gietz	AC_ACCOUNT

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20 rows selected.

3. Create a query to display distinct job\_id from the EMPLOYEES table.

```
1 SELECT DISTINCT JOB_ID FROM EMPLOYEES;
```

JOB_ID
AD_VP
AC_MGR
ST_CLERK
AD_ASST
IT_PROG
SA_MAN
AC_ACCOUNT
ST_MAN
AD_PRES
MK_MAN
SA_REP
MK_REP

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12 rows selected.

4. Create a query to display distinct department\_id from the EMPLOYEES table.

1	SELECT DISTINCT DEPARTMENT_ID FROM EMPLOYEES;
---	---

  

DEPARTMENT_ID
50
110
90
-
10
20
60
80

[Download CSV](#)  
8 rows selected.

5. There are four coding errors in this statement. Can you identify them?



***Incorrect Statement:***

```
SELECT employee_id, last_name SAL x 12 ANNUAL SALARY  
FROM employees
```



***Correct Statement:***

```
SELECT employee_id, last_name, SAL * 12 "ANNUAL SALARY"  
FROM employees
```