SQL> cl scr

SQL> SHOW USER

USER is "SCOTT"

SQL> CREATE SYNONYM Employee

2 FOR SCOTT.Emp;

CREATE SYNONYM Employee

*

ERROR at line 1:

ORA-01031: insufficient privileges

SQL> CONN SYSTEM

Connected.

SQL> GRANT CREATE SYNONYM

2 TO SCOTT;

Grant succeeded.

SQL> CONN SCOTT/tiger

Connected.

SQL> CREATE SYNONYM Employee

2 FOR SCOTT.Emp;

Synonym created.

SQL> SELECT * FROM TAB;

TNAME	TABTYPE	CLUSTERID
BONUS	TABLE	
CUSTOMER	TABLE	
DEPT	TABLE	
DEPT10	TABLE	
DUMMY	TABLE	
EMP	TABLE	
EMPLOYEE	SYNONYM	
ITEM	TABLE	
MYAUDIT	TABLE	
ORD	TABLE	
PRICE	TABLE	
PRODUCT	TABLE	
SALES	VIEW	
SALGRADE	TABLE	
TRAPPEDMESSAGES	TABLE	

15 rows selected.

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

SQL> DESC Emp Name Null? Type EMPNO NULL NUMBER (4) ENAME VARCHAR2 (10) JOB VARCHAR2 (9) MGR NUMBER (4) HIREDATE DATE SAL NUMBER (7,2)COMM NUMBER (7,2)DEPTNO NOT NULL NUMBER (2) SQL> DESC Employee Name Null? Type **EMPNO** NOT NULL NUMBER (4) ENAME VARCHAR2 (10) JOB VARCHAR2 (9) MGR NUMBER (4) HIREDATE DATE SAL NUMBER (7,2)COMM NUMBER (7, 2)DEPTNO NOT NULL NUMBER (2) SQL> SELECT * FROM Emp;

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

COMM	EMPNO ENAME DEPTNO	JOB	MGR	HIREDATE	SAL
10	7839 KING	PRESIDENT		17-NOV-81	5000
30	7698 BLAKE	MANAGER	7839	01-MAY-81	2850
10	7782 CLARK	MANAGER	7839	09-JUN-81	2450
20	7566 JONES	MANAGER	7839	02-APR-81	2975
1400	7654 MARTIN 30	SALESMAN	7698	28-SEP-81	1250
300	7499 ALLEN 30	SALESMAN	7698	20-FEB-81	1600
0	7844 TURNER 30	SALESMAN	7698	08-SEP-81	1500
	7900 JAMES	CLERK	7698	03-DEC-81	950
30	7521 WARD	SALESMAN	7698	22-FEB-81	1250
500	30 7902 FORD	ANALYST	7566	03-DEC-81	3000
20	7369 SMITH	CLERK	7902	17-DEC-80	800
20	7788 SCOTT	ANALYST	7566	09-DEC-82	3000
20	7876 ADAMS	CLERK	7788	12-JAN-83	1100
20	7934 MILLER	CLERK	7782	23-JAN-82	1300
10					
14 rc	ows selected.				
SQL>	SELECT * FROM Er	mployee;			
COMM	EMPNO ENAME DEPTNO	JOB 		HIREDATE	
10	7839 KING			17-NOV-81	
30	7698 BLAKE				
10	7782 CLARK	MANAGER	7839	09-JUN-81	2450

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

	7566 JONES	MANAGER	7839	02-APR-81	2975	
20	7654 MARTIN 30	SALESMAN	7698	28-SEP-81	1250	
300	7499 ALLEN 30	SALESMAN	7698	20-FEB-81	1600	
0	7844 TURNER 30	SALESMAN	7698	08-SEP-81	1500	
30	7900 JAMES	CLERK	7698	03-DEC-81	950	
500	7521 WARD 30	SALESMAN		22-FEB-81	1250	
20	7902 FORD	ANALYST		03-DEC-81	3000	
20	7369 SMITH	CLERK		17-DEC-80	800	
20	7788 SCOTT	ANALYST		09-DEC-82	3000	
20	7876 ADAMS 7934 MILLER	CLERK CLERK		12-JAN-83 23-JAN-82	1100	
10	1934 MILLER	CLERK	1182	23-0AN-02	1300	
14 ro	ws selected.					
SQL> CONN DBASEC/DBASEC Connected. SQL> SELECT * FROM Employee; SELECT * FROM Employee *						
ERROR at line 1: ORA-00942: table or view does not exist						
SQL> SELECT * FROM SCOTT.Employee; SELECT * FROM SCOTT.Employee *						

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> CONN SCOTT/tiger

Connected.

SQL> GRANT SELECT

- 2 ON Employee
- 3 TO DBASEC;

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

.....

Grant succeeded.

SQL> CONN DBASEC/DBASEC

Connected.

SQL> SELECT * FROM SCOTT.Employee;

COMM	EMPNO ENAME DEPTNO	JOB	MGR	HIREDATE	SAL
10	7839 KING	PRESIDENT		17-NOV-81	5000
-	7698 BLAKE	MANAGER	7839	01-MAY-81	2850
30 10	7782 CLARK	MANAGER	7839	09-JUN-81	2450
20	7566 JONES	MANAGER	7839	02-APR-81	2975
1400	7654 MARTIN 30	SALESMAN	7698	28-SEP-81	1250
300	7499 ALLEN 30	SALESMAN	7698	20-FEB-81	1600
0	7844 TURNER 30	SALESMAN	7698	08-SEP-81	1500
30	7900 JAMES	CLERK	7698	03-DEC-81	950
500	7521 WARD 30	SALESMAN	7698	22-FEB-81	1250
20	7902 FORD	ANALYST	7566	03-DEC-81	3000
20	7369 SMITH	CLERK	7902	17-DEC-80	800
20	7788 SCOTT	ANALYST	7566	09-DEC-82	3000
20	7876 ADAMS	CLERK	7788	12-JAN-83	1100
	7934 MILLER	CLERK	7782	23-JAN-82	1300
10	1				
14 ro	ws selected.				

SQL> SELECT * FROM Employee;

SELECT * FROM Employee

^

ERROR at line 1:

ORA-00942: table or view does not exist

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

SQL> cl scr

SQL> CONN SCOTT/tiger

Connected.

SQL> CREATE PUBLIC SYNONYM Employee

2 FOR SCOTT.Emp;

CREATE PUBLIC SYNONYM Employee

*

ERROR at line 1:

ORA-01031: insufficient privileges

SQL> CONN SYSTEM

Connected.

SQL> GRANT CREATE PUBLIC SYNONYM

2 TO SCOTT;

Grant succeeded.

SQL> CONN SCOTT/tiger

Connected.

SQL> CREATE PUBLIC SYNONYM Employee

2 FOR SCOTT.Emp;

Synonym created.

SQL> CONN DBASEC/DBASEC

Connected.

SQL> SELECT * FROM Employee;

COMM	EMPNO ENAME DEPTNO	JOB	MGR	HIREDATE	SAL
 10	7839 KING	PRESIDENT		17-NOV-81	5000
30	7698 BLAKE	MANAGER	7839	01-MAY-81	2850
10	7782 CLARK	MANAGER	7839	09-JUN-81	2450
20	7566 JONES	MANAGER	7839	02-APR-81	2975
1400	7654 MARTIN 30	SALESMAN	7698	28-SEP-81	1250
300	7499 ALLEN 30	SALESMAN	7698	20-FEB-81	1600

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

0	7844 TURNER 30	SALESMAN	7698	08-SEP-81	1500		
	7900 JAMES	CLERK	7698	03-DEC-81	950		
30 500	7521 WARD 30	SALESMAN	7698	22-FEB-81	1250		
20	7902 FORD	ANALYST	7566	03-DEC-81	3000		
	7369 SMITH	CLERK	7902	17-DEC-80	800		
20	7788 SCOTT	ANALYST	7566	09-DEC-82	3000		
20	7876 ADAMS	CLERK	7788	12-JAN-83	1100		
20	7934 MILLER	CLERK	7782	23-JAN-82	1300		
10				1			
14 ro	ws selected.						
SQL>	SELECT * FROM TA	AB;		10,			
no ro	ws selected		16				
SQL> DROP TABLE Employee; DROP TABLE Employee							
* ERROR at line 1: ORA-00942: table or view does not exist							
SQL> DROP SYNONYM Employee; DROP SYNONYM Employee							
ERROR at line 1: ORA-01434: private synonym to be dropped does not exist							
SQL> DROP PUBLIC SYNONYM Employee; DROP PUBLIC SYNONYM Employee *							
ERROR at line 1: ORA-01031: insufficient privileges							
SQL>	cl scr						
SQL>	SQL> CONN SCOTT/tiger						

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

Connected. SOL> cl scr

SQL> SET AUTOTRACE ON EXPLAIN

SQL> SELECT Deptno, SUM(Sal)

- 2 FROM Emp
- 3 GROUP BY Deptno;

DEPTNO	SUM(SAL)		
30	9400		
20	10875		
10	8750		

Execution Plan

Plan hash value: 4067220884

 I	d	Operation	Nam	e Rows		Bytes	Co	st (%CPU)	Time
	0	SELECT STATEMENT	1	14	I	364	I	4	(25)	00:00:01
	1	HASH GROUP BY	M	14		364	I	4	(25)	00:00:01
 	2	TABLE ACCESS FO	ULL EMP	14	I	364	I	3	(0)	00:00:01

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

- 1 SELECT SUM(Sal)
- 2* FROM Emp

SQL> /

SUM(SAL)

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

29025 Execution Plan Plan hash value: 2083865914 | Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time 1 | O | SELECT STATEMENT | 13 | 00:00:01 1 | SORT AGGREGATE | | 13 2 | TABLE ACCESS FULL | EMP | 14 | 182 $(0) \mid 00:00:01$ Note - dynamic sampling used for this statement (level=2) SOL> ED Wrote file afiedt.buf 1 SELECT Deptno, SUM(Sal), 2 FROM Emp, 3 (4 SELECT SUM(Sal) 5 FROM Emp 7* GROUP BY Deptno, OrgSal DEPTNO SUM(SAL) ORGSAL 10 29025 8750 10875 29025 20 30 9400 29025 Execution Plan

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

.....

Plan hash value: 3003679369

Id Operation	Name		Rows	Bytes	Cost	: (%CPU) Time
0 SELECT STATEMENT		1	14	546	1	7 (15)
00:00:01						
1 HASH GROUP BY			14	546	1	7 (15)
00:00:01						
2 NESTED LOOPS			14	546		6 (0)
00:00:01			<u>.</u> .			
3 VIEW			1	13		3 (0)
00:00:01						
4 SORT AGGREGATE			1	13		
			•			
5 TABLE ACCESS FUL	L EMP		14	182		3 (0)
00:00:01						
6 TABLE ACCESS FULL	EMP	\perp	14	364		3 (0)
00:00:01						

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

- 1 SELECT Deptno, SUM(Sal),
- 2 (
- 3 SELECT SUM(Sal)
- 4 FROM Emp 5) OrgSal
- 6 FROM Emp
- SQL> / 7* GROUP BY Deptno

ORGSAL	SUM(SAL)	DEPTNO
29025	9400	30
29025	10875	20
29025	8750	10

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad - 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data

```
Execution Plan
Plan hash value: 2065184867
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time
   0 | SELECT STATEMENT | 14 | 364 |
   1 | SORT AGGREGATE | 1 |
                                          13 I
   2 | TABLE ACCESS FULL| EMP |
                                          182
                                                      (0) \mid 00:00:01
                                  14 |
   3 | HASH GROUP BY |
                                   14 |
                                                      (25) \mid 00:00:01
   4 | TABLE ACCESS FULL | EMP |
                                                      (0) \mid 00:00:01
                                          364 |
Note
  - dynamic sampling used for this statement (level=2)
SQL> ED
Wrote file afiedt.buf
 1 SELECT Deptno, SUM(Sal)
 2 FROM Emp
 3 GROUP BY Deptno
 4 UNION
```

- 5 SELECT NULL, SUM(Sal)
- 6* FROM Emp

SQL> /

DEPTNO	SUM(SAL)
10	8750
20	10875
30	9400
	29025

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

```
Execution Plan
_____
Plan hash value: 768573151
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time
00:00:01
| 1 | SORT UNIQUE | 15 |
00:00:01 |
             1
| 2 | UNION-ALL
| 3 | HASH GROUP BY |
                        14 |
                                   (40)|
00:00:01 |
4 | TABLE ACCESS FULL | EMP |
                                   (0)
00:00:01
     SORT AGGREGATE |
| 5 |
                             13 I
                                  4 (25)
```

00:00:01 |

182 |

(0)

00:00:01 |

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

1 SELECT Deptno, SUM(Sal)

| 6 | TABLE ACCESS FULL| EMP

2 FROM Emp

3* GROUP BY ROLLUP(Deptno)

SQL> /

DEPTNO	SUM(SAL)
10	8750
20	10875
30	9400
	29025

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

..... Execution Plan _____ Plan hash value: 52302870 | Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time | 0 | SELECT STATEMENT | 14 | 364 | 00:00:01 | 1 | SORT GROUP BY ROLLUP| | 14 | 364 00:00:01 | | 2 | TABLE ACCESS FULL | EMP | 14 I 364 | (0)|00:00:01 Note - dynamic sampling used for this statement (level=2) SQL> cl scr SOL> ED Wrote file afiedt.buf 1 SELECT Ename, SUM(Sal) 2 FROM Emp 3* GROUP BY ROLLUP (Ename) SQL> / ENAME SUM (SAL) 1100 ADAMS 1600 ALLEN 2850 BLAKE CLARK 2450 FORD 3000 JAMES 950 JONES 2975 5000 KING MARTIN 1250 1300 MILLER SCOTT 3000 SMITH 800

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

#IIDNED 1500

TURNER 1500 WARD 1250 29025

15 rows selected.

Execution Plan

Plan hash value: 52302870

Id Operation 	Name	Rows	Bytes Cos	t (%CPU) T	ime
0 SELECT STATEMENT 00:00:01		14	1 280	4 (25)	
1 SORT GROUP BY ROLLUF 00:00:01	2	14	280	4 (25)	
2 TABLE ACCESS FULL 00:00:01	EMP	1 14	280	3 (0)	

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

- 1 SELECT Job, SUM(Sal)
- 2 FROM Emp
- 3* GROUP BY ROLLUP (Job)

SQL> /

JOB	SUM(SAL)
	4
ANALYST	6000
CLERK	4150
MANAGER	8275
PRESIDENT	5000
SALESMAN	5600
	29025

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

..... 6 rows selected. Execution Plan Plan hash value: 52302870 | 0 | SELECT STATEMENT | 14 | 266 00:00:01 | | 1 | SORT GROUP BY ROLLUP| | 00:00:01 | 2 | TABLE ACCESS FULL | EMP | 3 (0)| 14 | 00:00:01 Note - dynamic sampling used for this statement (level=2) SQL> cl scr SQL> COL JobSalSum FOR A12 SQL> COL JobSalAvg FOR A12 SQL> SELECT 2 Job, 3 TO_CHAR(SUM(Sal), '99G999D99') JobSalSum, 4 TO_CHAR(AVG(Sal), '99G999D99') JobSalAvg 5 FROM Emp 6 GROUP BY ROLLUP (Job); JOB JOBSALSUM JOBSALAVG -----ANALYST 6,000.00 3,000.00 CLERK 4,150.00 1,037.50 MANAGER 8,275.00 2,758.33 PRESIDENT 5,000.00 5,000.00 5,600.00 1,400.00 29,025.00 2,073.21 SALESMAN

6 rows selected.

Charles Tackers Colutions But 14d

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

.....

Execution Plan	
Plan hash value: 52302870	
Id Operation Name Rows Bytes Cost (%CPU) Time	
0 SELECT STATEMENT 14 266 4 (25) 00:00:01 1 SORT GROUP BY ROLLUP 14 266 4 (25) 00:00:01 2 TABLE ACCESS FULL EMP 14 266 3 (0) 00:00:01	
Note dynamic sampling used for this statement (level=2)	
<pre>SQL> cl scr SQL> SELECT</pre>	
DEPTNO SUMSAL AVGSAL MAXSAL MINSAL	
10 8750 2916.66667 5000 1300 20 10875 2175 3000 800 30 9400 1566.66667 2850 950 29025 2073.21429 5000 800	

Execution Plan

Plan hash value: 52302870

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad - 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

	••••		••••	••••••	•••••		•••••	••••••	••••••	
 Id		Name		Rows	 	Bytes		Cost	(%CP	 U) Time
 0 SELECT STATEMENT				14	1	364			4 (2)	5)
00:00:01 1 SORT GROUP BY ROLLUP 00:00:01	۱ ۱		I	14	1	364	I		4 (2.	5)
2 TABLE ACCESS FULL 00:00:01		EMP	1	14	1	364	Ι		3 (0)
								7		
Note dynamic sampling used fo	r	this	st	ateme	ent	(leve	1=2	2)		
SQL> cl scr						0,		,		
SQL> COLUMN Deptno FORMAT A15 SQL> SELECT 2 NVL(TO_CHAR(Deptno), 'Al 3 SUM(SAL) SUMSal 4 FROM Emp 5 GROUP BY ROLLUP(Deptno);		Depai	rtn	nents'	')	Deptno	,			
DEPTNO SUMSAL										
10 8750 20 10875 30 9400 All Departments 29025										
Execution Plan										
Plan hash value: 52302870										
 Id Operation 		Name	I	Rows	I	Bytes		Cost	(%CPI	U) Time

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

0 SELECT STATEMENT 00:00:01	I	14	364	4	(25)
1 SORT GROUP BY ROLLUP 00:00:01	1	14	364	4	(25)
2 TABLE ACCESS FULL EMP	' I	14	364	3	(0)
					122
Note					(2)
- dynamic sampling used for thi	s stat	ement ((level=2)		
SQL> cl scr					
SQL> COL "Year" FOR A6 SQL> SELECT 2 TO_CHAR(HireDate, 'YYYY') "Ye 3 SUM(Sal) SumSal 4 FROM Emp 5 GROUP BY ROLLUP(TO_CHAR(HireD		YYYY'))	UKI		
Year SUMSAL	1				
1980 800 1981 22825 1982 4300 1983 1100 29025	5				
Execution Plan					
Plan hash value: 52302870					
 Id				st (%CPU) Time
0 SELECT STATEMENT	1	1 /1	308 1	1	(25)
00:00:01 1 SORT GROUP BY ROLLUP					
00:00:01 2 TABLE ACCESS FULL EMP					
00:00:01	·		·		

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

```
.....
Note
  - dynamic sampling used for this statement (level=2)
SQL> cl scr
SQL> COLUMN Deptno FORMAT 99
SQL> SELECT
 2 Deptno,
 3 Job,
 4 SUM(Sal) Salary
 5 FROM Emp
 6 GROUP BY ROLLUP(Deptno, Job);
DEPTNO JOB
              SALARY
   10 CLERK
                 1300
   10 MANAGER
                 2450
   10 PRESIDENT
                 5000
   10
                 8750
   20 CLERK
                 1900
   20 ANALYST
                 6000
                 2975
   20 MANAGER
   20
                10875
                  950
   30 CLERK
   30 MANAGER
                  2850
   30 SALESMAN
                  5600
   30
                 9400
                 29025
13 rows selected.
Execution Plan
Plan hash value: 52302870
             _____
                     | Name | Rows | Bytes | Cost (%CPU) | Time
| Id | Operation
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

			·······			
0 SELECT STATEM	ENT	1	14	448	4	(25)
00:00:01 1 SORT GROUP B 00:00:01	Y ROLLUP	I	14	448	4	(25)
2 TABLE ACCES 00:00:01	S FULL EMP	I	14	448	3	(0)
Maka						1621
Note						(K.)
- dynamic sampling	used for this	s sta	tement (level=2)		
SQL> ED				10		
Wrote file afiedt.buf				• \)	
1 SELECT				M_{\perp}		
2 Deptno,				UL.		
<pre>3 Job, 4 SUM(Sal) Salary</pre>			110			
5 FROM Emp				J		
6 GROUP BY Deptno,	Job		67.			
7* ORDER BY Deptno SQL> /						
DEPTNO JOB	SALARY					
10 CLERK	1300					
10 MANAGER	2450					
10 PRESIDENT 20 ANALYST	5000					
20 CLERK	1900					
20 MANAGER 30 CLERK	2975 950					
30 MANAGER	2850					
30 SALESMAN	5600					
9 rows selected.						
J Town Screeced.						
Execution Plan						
EVECUCION LIGH						
Plan hash value: 1546	9362					

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

						,				
Id Ope 	ration	Name	e F	Rows		Bytes	I	Cost	(%CPU)	Time
0 SEL	ECT STATEMENT			14		448		4	(25)	00:00:01
1 SO	RT GROUP BY	1	I	14		448	1	4	(25)	00:00:01
 2 T 	ABLE ACCESS FU	LL EMP	I	14	I	448	I	3	(0) [00:00:01
Note									1-1	
 - dynami	c sampling used	d for th	nis s	stater	ner	nt (lev	zel	=2)		
SQL> ED Wrote file	afiedt.buf					20				
4 FROM E 5 GROUP	, l) Salary		5	16						
DEPTNO 10 20 30	SALARY 8750 10875 9400									
Execution P	lan 								_	
Plan hash v	alue: 15469362									
 Id Ope 	ration	Name	e F	Rows		Bytes		Cost	(%CPU)	Time
 0 SEL 	ECT STATEMENT	I	I	14	I	364	I	4	(25)	00:00:01
	SkyEs	Toch				c Dyt		 td		

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••		••••••	•••••	••••••	
1 SORT GROUP BY	I	I	14		364	1	4	(25)	00:00:01
 2 TABLE ACCESS FU 	JLL EMP	I	14		364	I	3	(0)	00:00:01
Note dynamic sampling use	ed for th	nis s	stater	mer	nt (lev	rel=2)	ı	<	5
SQL> ED Wrote file afiedt.buf						(
1 SELECT 2 SUM(Sal) Salary 3* FROM Emp 4 /					0		3		
SALARY					(9)				
29025			1 C						
Execution Plan Plan hash value: 20838659	914	2							
				 	Bytes	Cos	 st (%CPU)	Time
Plan hash value: 20838659	Name								Time
Plan hash value: 20838659	Name					 I			
Plan hash value: 20838659 Id Operation 0 SELECT STATEMENT 1 SORT AGGREGATE 2 TABLE ACCESS FU	Name	 	1 1 14	 	13 13 182	 	3	(0)	00:00:01
Plan hash value: 20838659 Id Operation 0 SELECT STATEMENT 1 SORT AGGREGATE 2 TABLE ACCESS FU	Name	 	1 1 14	 	13 13 182	 	3	(0)	00:00:01
Plan hash value: 20838659 Id Operation 0 SELECT STATEMENT 1 SORT AGGREGATE 2 TABLE ACCESS FU	Name	 	1 1 14	 	13 13 182	 	3	(0)	00:00:01

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

```
SQL> ED
Wrote file afiedt.buf

1    SELECT Deptno, Job, SUM(Sal) Salary
2    FROM Emp
3    GROUP BY Deptno, Job
4    UNION
5    SELECT Deptno, NULL, SUM(Sal)
6    FROM Emp
7    GROUP BY Deptno
8    UNION
9    SELECT NULL, NULL, SUM(Sal)
10* FROM Emp
SQL> /
```

DEPTNO	JOB	SALARY
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
10		8750
20	ANALYST	6000
20	CLERK	1900
20	MANAGER	2975
20		10875
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
30		9400
		29025

13 rows selected.

Execution Plan

Plan hash value: 3412076862

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

1 SORT 0	JNIQUE	I	I	29		825	14	(79)
2 UNION	N-ALL	I	1		I		I	1
- 1	H GROUP BY		1	14		448	5	(40)
00:00:01 4 TAE 00:00:01	BLE ACCESS FULI	L EMP	I	14	l	448	3	(0)
	H GROUP BY	I	I	14	l	364	5	(40)
·	BLE ACCESS FULI	L EMP	1	14		364	3	(0)
	Γ AGGREGATE	I	1	1	I	13	1 4	(25)
	BLE ACCESS FULI	L EMP	I	14		182	1 3	(0)

Note

- dynamic sampling used for this statement (level=2)

SQL> COLUMN Deptno FORMAT A15

SQL> SELECT

- 2 NVL(TO CHAR(Deptno), 'All Departments') Deptno,
- 3 NVL(Job, 'All Jobs') Jobs,
- 4 SUM(Sal) Salary
- 5 FROM Emp
- 6 GROUP BY ROLLUP (Deptno, Job);

DEPT	ľNO	JOBS		SALARY
		7-7		
10		CLER	K	1300
10		MANA	GER	2450
10		PRES	IDENT	5000
10		All	Jobs	8750
20		CLER	K	1900
20		ANAL	YST	6000
20	1/1 0.	MANA	GER	2975
20		All	Jobs	10875
30		CLER	K	950
30		MANA	GER	2850
30		SALE	SMAN	5600
30		All	Jobs	9400
All	Departments	All	Jobs	29025

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data

Follow Me: https://www.facebook.com/satishkumar.yellanki

..... 13 rows selected. Execution Plan Plan hash value: 52302870 | Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time | 0 | SELECT STATEMENT | 14 | 448 00:00:01 | | 1 | SORT GROUP BY ROLLUP| | 00:00:01 | 2 | TABLE ACCESS FULL | EMP | (0)| 00:00:01 Note - dynamic sampling used for this statement (level=2) SQL> SPOOL OFF

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038 Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data