

Structured Query Language

Session 8



Coverage

- Producing Readable Output
- Data Dictionary

SQL * PLUS Reports



Producing Readable Output

- SQL *PLUS environment settings
- Using Formatting commands
- Column
- TTITLE and BTITLE commands
- Repheader and Repfooter command
- Break on command
- Compute command

SQL *PLUS environment settings

- Set system_variable value
- Show variable : To see the system variable setting

System variable

| System variable | Description |
|-------------------------------|---|
| Set pagesize <n> | Sets the size of page |
| Set linesize <n> | Sets the size of line |
| Set numwidth <n> | Sets the width of the numeric column |
| Set Verify <on/off> | display the text of a command before and after it replaces substitution variables with values |
| Set arraysize <n> | Sets the data fetch size |
| Set feedback < 6 n / on /off> | Displays no. of records returned by query |
| Set Heading < on/off> | Toggles columns headings |

Using Formatting commands



Format Commands

- COLUMN <options>
- TITLE <text / on/off>
- BTITLE <text / on/off>
- BREAK
- COMPUTE

Column command

| | |
|------------------------|--|
| COLUMN <options> | Formats columns based on options specified |
| TITLE <text / on/off> | Title of the report on each page |
| BTITLE <text / on/off> | Footer of the report on each page |
| BREAK | Suppress duplicate values |

Column command

Column <column_name>
like <column_name>
heading <heading_text>
format <format_spec>
justify <left/center/right>
word_wrapped

Clear columns

Column <column_name> off
Column <column_name> on

Examples

```
column sal heading salary  
select ename,sal,comm from emp;
```

```
column sal format 999999.99  
column comm like sal heading "commission"  
column ename format a7  
column ename format a15 justify center  
column ename heading "Employee | Name"
```

Ttitle and Btitle commands

Ttitle left/center/right/
col <number>
<title>
skip <number>

Btitle left/center/right/ col <number>
<title> skip <number>

Ttitle off/on
Btitle off/on

Examples

```
tttitle center "Group of Companies"  
tttitle center "Group of Companies " skip 2 –  
center " List of Employees "  
select empno,ename,job,sal,comm from emp;
```

```
tttitle center "Group of Companies " skip 2 –  
col 60 format 9 'Page ' SQL.PNO
```

```
btitle center 'Confidential'
```

```
Ttitle off
```

```
Btitle off
```

Repheader and Repfooter command

Repheader left/center/right/

col <number>

<title>

skip <number>

Repfooter left/center/right/

col <number>

<title>

skip <number>

Repheader off/on

Repfooter off/on

Examples

repheader center ' HR MIS Report'

repfooter center 'end of report'

repheader off

repfooter off

Break on command

- Break on <column1> skip <number/page> on <column2>
....
- Clear breaks

Example

break on deptno skip 2

```
select deptno, empno,ename,job,sal,comm from emp  
order by deptno;
```

break on deptno skip 2 on job skip 2

```
select deptno, job,empno, ename from emp  
order by deptno,job;
```

Clear breaks

Compute

- Compute <group_fn> of <columns> on <break_column>
- Clear computes

Examples

break on deptno skip 2

compute sum of sal on deptno

select deptno, job, empno, ename, sal, comm from emp
order by deptno;

compute sum of sal comm on deptno

compute sum max min of sal on deptno

Examples

break on deptno skip 2 on job

compute sum of sal comm on deptno job

select deptno, job, empno, ename, sal, comm from emp
order by deptno, job;

Data Dictionary

| | |
|-------|--|
| User_ | Shows the objects owned by the user |
| All_ | Shows all the objects to which the user has privileges |
| DBA_ | Shows objects of DBA |

Thank You !!!

