6. Construct report using SQL*PLUS

Creating HTML Report

- **SQL*Plus** is a command line interface to the Oracle database.

- Oracle 8i and 9i allow the generation of reports directly from SQL*Plus.

Creating HTML Report

1. SET MARKUP HTML <u>ON</u> statement is used to produce HTML output.

2. SET ECHO command enables or disables displaying on the screen, characters (input) entered at the keyboard .

   Syntax: SET ECHO OFF | ON

   OFF Keeps commands from a script file not to be displayed on the screen while a script file is being executed.

   ON Causes commands from a script file to be display on the screen as they are being executed.

Creating HTML Report

3. SPOOL command is used to write the output to a file.

- If we want to print a report, the only way is to spool it to a file, then print that file.

- <u>SYNTAX</u>: **SPOOL** *file_name* | OFF

Creating HTML Report

Run the following commands in SQL command line

- SQL>SET ECHO OFF
- SQL>SET FEEDBACK OFF
- SQL>SET MARKUP HTML ON
- SQL>SPOOL D:\emp1.html
- SQL>SELECT * FROM emp;
- SQL>SPOOL OFF
- SQL>SET MARKUP HTML OFF
- SQL>SET ECHO ON

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	17-DEC-80	800		20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
7900	JAMES	CLERK	7698	03-DEC-81	950		30

SQL>

- create table emp1(empno number,ename varchar(20),job varchar(20),mgr number,hiredate date,sal number,comm number,deptno number);
- insert all
- into emp1 values(7369,'SMITH','CLERK',7902,'17-DEC-80',800,NULL,20)
- into emp1 values(7499,'ALLEN','SALESMAN',7698,'20-FEB-81',1600,300,30)
- into emp1 values(7521,'WARD','SALESMAN',7698,'22-FEB-81',1250,500,30)
- into emp1 values(7566,'JONES','MANAGER',7839,'02-APR-81',2975,NULL,20)
- into emp1 values(7654,'MARTIN','MANAGER',7839,'28-SEP-81',1250,1400,30)
- into emp1 values(7369,'BLAKE','CLERK',7902,'01-MAY-81',2850,NULL,30)
- into emp1 values(7782,'CLERK','MANAGER',7839,'09-JUN-81',2450,NULL,10)
- into emp1 values(7788,'SCOTT','ANALYST',7566,'19-APR-87',300,NULL,20)
- into emp1 values(7839,'KING','PRESIDENT',NULL,'17-NOV-81',5000,NULL,10)
- into emp1 values(7844,'TRUNER','SALESMAN',7698,'08-SEP-81',1500,0,30)
- into emp1 values(7876,'ADAMS','CLERK',7788,'23-MAY-87',1100,NULL,20)
- into emp1 values(7900,'JAMES','CLERK',7698,'03-DEC-81',950,NULL,30)
- SELECT * FROM DUAL;
- SELECT * FROM EMP1;