***Producing Readable Output with iSQL\*Plus***

**Practice 7 Solutions**

Determine whether the following statements are true or false:

1. The following statement is correct:

DEFINE & p\_val = 100

**False**

**The correct use of DEFINE is DEFINE p\_val=100. The & is used within the SQL code.**

2. The DEFINE command is a SQL command.

**False**

**The DEFINE command is an iSQL\*Plus command.**

3. Write a script file to display the employee last name, job, and hire date for all employees who

started between a given range. Concatenate the name and job together, separated by a space

and comma, and label the column Employees. Use the DEFINE command to provide the two

ranges. Use the format MM/DD/YYYY. Save the script file as lab7\_3.sql.

**Ans:**

**SET ECHO OFF;**

**SET VERIFY OFF;**

**DEFINE low\_date = 01/01/1998;**

**DEFINE high\_date = 01/01/1999;**

**SELECT last\_name ||', '|| job\_id EMPLOYEES, hire\_date**

**FROM employees**

**WHERE hire\_date BETWEEN TO**\_**DATE('&low\_date', 'MM/DD/YYYY')**

**AND TO\_DATE('&high\_date', 'MM/DD/YYYY');**

**UNDEFINE low\_date;**

**UNDEFINE high\_date;**

**SET VERIFY ON;**

**SET ECHO ON;**

4. Write a script to display the employee last name, job, and department name for a given location. The search condition should allow for case-insensitive searches of the department location. Save the

script file as lab7\_4.sql.

**SET ECHO OFF;**

**SET VERIFY OFF;**

**COLUMN last\_name HEADING "EMPLOYEE NAME";**

**COLUMN department\_name HEADING "DEPARTMENT NAME”;**

**SELECT e.last\_name, e.job\_id, d.department\_name**

**FROM employees e, departments d, locations l**

**WHERE e.department\_id = d.department\_id**

**AND l.location\_id = d.location\_id**

**AND l.city = INITCAP('&p\_location');**

**COLUMN last\_name CLEAR;**

**COLUMN department\_name CLEAR;**

**SET VERIFY ON;**

**SET ECHO ON;**

5. Modify the code in lab7\_4.sql to create a report containing the department name, employee last name, hire date, salary, and each employee’s annual salary for all employees in a given location.

Label the columns DEPARTMENT NAME, EMPLOYEE NAME, START DATE, SALARY, and

ANNUAL SALARY, placing the labels on multiple lines. Resave the script as lab7\_5.sql and

execute the commands in the script.

**SET ECHO OFF**

**SET FEEDBACK OFF**

**SET VERIFY OFF**

**BREAK ON department\_name**

**COLUMN department\_name HEADING "DEPARTMENT|NAME"**

**COLUMN last\_name HEADING "EMPLOYEE|NAME"**

**COLUMN hire\_date HEADING "START|DATE"**

**COLUMN salary HEADING "SALARY" FORMAT $99,990.00**

**COLUMN asal HEADING "ANNUAL|SALARY" FORMAT $99,990.00**

**SELECT d.department\_name, e.last\_name, e.hire\_date,**

**e.salary, e.salary\*12 asal**

**FROM departments d, employees e, locations l**

**WHERE e.department\_id = d.department\_id**

**AND d.location\_id = l.location\_id**

**AND l.city = '&p\_location'**

**ORDER BY d.department\_name**

**/**

**COLUMN department\_name CLEAR**

**COLUMN last\_name CLEAR**

**COLUMN hire\_date CLEAR**

**COLUMN salary CLEAR**

**COLUMN asal CLEAR**

**CLEAR BREAK**

**SET VERIFY ON**

**SET FEEDBACK ON**

**SET ECHO ON**