

Practice 6

1. Create, compile, and invoke the ADD_JOB procedure and review the results.
 - a. Create a procedure called ADD_JOB to insert a new job into the JOBS table. Provide the ID and job title using two parameters.
 - b. Compile the code, and then invoke the procedure with IT_DBA as the job ID and Database Administrator as the job title. Query the JOBS table and view the results.
 - c. Invoke your procedure again, passing a job ID of ST_MAN and a job title of Stock Manager. What happens and why?
2. Create a procedure called UPD_JOB to modify a job in the JOBS table.
 - a. Create a procedure called UPD_JOB to update the job title. Provide the job ID and a new title using two parameters. Include the necessary exception handling if no update occurs.
 - b. Compile the procedure. Invoke the procedure to change the job title of the job ID IT_DBA to Data Administrator. Query the JOBS table and view the results.
 - c. Test the exception handling section of the procedure by trying to update a job that does not exist. You can use the job ID IT_WEB and the job title Web Master.
3. Create a procedure called DEL_JOB to delete a job from the JOBS table.
 - a. Create a procedure called DEL_JOB to delete a job. Include the necessary exception handling code if no job is deleted.
 - b. Compile the code; invoke the procedure using the job ID IT_DBA. Query the JOBS table and view the results.
 - c. Test the exception handling section of the procedure by trying to delete a job that does not exist. Use the IT_WEB as the job ID. You should get the message that you included in the exception handling section of the procedure as the output.
4. Create a procedure called GET_EMPLOYEE to query the EMPLOYEES table, retrieving the salary and job ID for an employee when provided with the employee ID.
 - a. Create a procedure that returns a value from the SALARY and JOB_ID columns for a specified employee ID. Compile the code and remove syntax errors, if any.
 - b. Create an anonymous block and call the procedure using variables for the two OUT parameters – one for the salary and the other for the job ID. Display the salary and job ID for employee ID 120.
 - c. Invoke the procedure again, passing an EMPLOYEE_ID of 300. What happens and why?