Lab Assignment No-08

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Grade:	

1. What is the procedure? And why is it used?

Ans:

A stored procedure is used to retrieve data, modify data, and delete data in a database table. You don't need to write a whole SQL command each time you want to insert, update or delete data in an SQL database. A stored procedure is a precompiled set of one or more SQL statements which perform some specific task.

2. Create a procedure called ADD_JOB procedure to insert a new job into the JOBS table. Provide the ID and title of the job, using two parameters.

Ans:

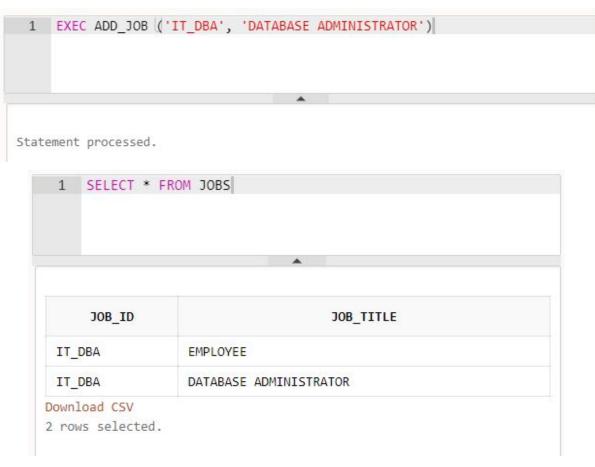
```
1 CREATE PROCEDURE ADD_JOB (JOB_ID IN VARCHAR2, JOB_TITLE IN VARCHAR2)
2 AS
3 BEGIN
4 INSERT INTO JOBS VALUES (JOB_ID, JOB_TITLE);
5 END;

Procedure created.
```



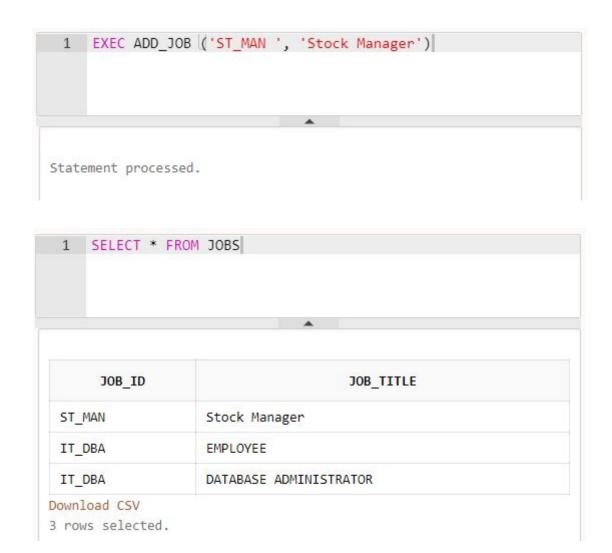
3. Compile the code, and invoke the procedure with IT_DBA as job ID and Database Administrator as job title. Query the JOBS table to view the results.

Ans:



4. Invoke the procedure again, passing a job ID of ST_MAN and job title of Stock Manager. What happens and why?

Ans:



JOB ID of ST_MAN and JOB TITLE of Stock Manager gets added to the table JOBS as the PROCEDURE ADD_JOB takes in these inputs and inserts them into the table JOBS

5. Create a procedure called QUERY_EMP to query the EMPLOYEES table, retrieving the salary and job ID for an employee when provided with the employee ID.

Ans:

```
1    CREATE OR REPLACE PROCEDURE print_emp_data(
  2
         in emp id NUMBER
  3
  4 IS
  5
         out sal employees.salary%TYPE;
        out_id employees.job_id%TYPE;
  6
  7 BEGIN
         SELECT salary, job_id
  8
         INTO out_sal, out_id
  9
         FROM employees
 10
 11
         WHERE employee_id = in_emp_id;
 12 dbms_output_put_line(out_sal || ' ' || out_id);
 13 END;
Procedure created.
 1 exec print emp data(100)
 2 exec print_emp_data(149)
Statement processed.
       AD PRES
24000
Statement processed.
10500 SA MAN
```