

Lab Create a Package

1) Create a package specification

```
CREATE OR REPLACE PACKAGE dfas_get_set
IS
    PROCEDURE set_record (p_emp_rec IN emp%ROWTYPE);
    FUNCTION get_record (p_emp_no IN NUMBER) RETURN emp%ROWTYPE;
END dfas_get_set;
```

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2) Create the package body

```
CREATE OR REPLACE PACKAGE BODY dfas_get_set
IS
    PROCEDURE set_record(p_emp_rec IN emp%ROWTYPE)
    IS
        PRAGMA AUTONOMOUS_TRANSACTION;
    BEGIN
        INSERT INTO employees
        VALUES (p_emp_rec.emp_name,p_emp_rec.emp_no, p_emp_rec.salary,p_emp_rec.manager);
        COMMIT;
    END set_record;
    FUNCTION get_record(p_emp_no IN NUMBER)
    RETURN emp%ROWTYPE
    IS
        l_emp_rec emp%ROWTYPE;
    BEGIN
        SELECT * INTO l_emp_rec FROM employees where emp_no=p_emp_no
        RETURN l_emp_rec;
    END get_record;
```

```
BEGIN
dbms_output.put_line('Control is now executing the package initialization part');
END dfas_get_set;
```

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3) Invoke the package

- a. Select employee_id from employees
- b. Select any employee_id
- c. Exec dfas_get_set.set_record('Use the employee_id' select from b