In Oracle SQL, a package is a schema object that groups related PL/SQL types, objects, and subprograms (procedures and functions) together. Packages provide a way to encapsulate business logic, making it easier to manage and use. They consist of two parts:

- 1. **Specification (spec)**: This is the interface of the package. It declares the public procedures, functions, variables, constants, exceptions, and cursors that can be accessed by other programs.
- 2. **Body**: This contains the implementation of the procedures and functions declared in the specification. It can also include private procedures and functions that are not accessible outside the package.

Creating a Package

Here's a simple example of creating a package in Oracle SQL.

1. Package Specification

```
CREATE OR REPLACE PACKAGE employee_pkg AS

g_department_name VARCHAR2(100);

PROCEDURE add_employee(emp_id NUMBER,emp_name VARCHAR2);

FUNCTION get_employee(emp_id NUMBER) RETURN VARCHAR2;

END employee_pkg;

/

2. Package Body

CREATE OR REPLACE PACKAGE BODY employee_pkg AS

PROCEDURE add_employee(emp_id NUMBER, emp_name VARCHAR2) IS

BEGIN

INSERT INTO employees (id, name) VALUES (emp_id, emp_name); END add_employee;
```

FUNCTION get_employee(emp_id NUMBER) RETURN VARCHAR2 IS

```
emp_name VARCHAR2(100);
BEGIN

SELECT name INTO emp_name FROM employees WHERE id = emp_id;
RETURN emp_name;

EXCEPTION WHEN NO_DATA_FOUND THEN RETURN NULL;
END get_employee;
END employee_pkg;
/

Using a Package

BEGIN employee_pkg.add_employee(1,'Arun Kumar');
DBMS_OUTPUT.PUT_LINE(employee_pkg.get_employee(1));
END;
/
```