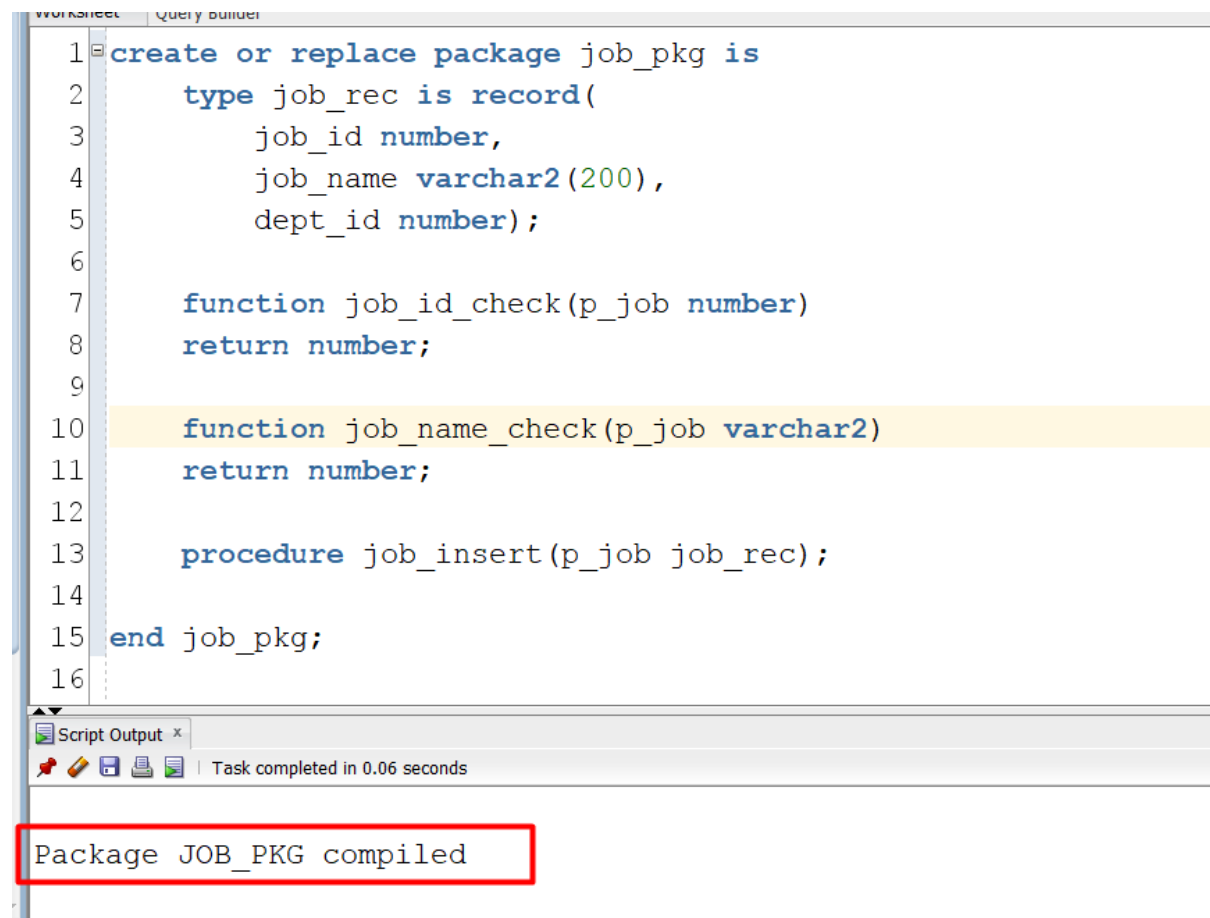


Insert the data using Record Type.

Package Specification:



The screenshot shows a SQL IDE interface. The top pane, titled 'Query Builder', contains the following SQL code for a package specification:

```
1 create or replace package job_pkg is
2     type job_rec is record(
3         job_id number,
4         job_name varchar2(200),
5         dept_id number);
6
7     function job_id_check(p_job number)
8     return number;
9
10    function job_name_check(p_job varchar2)
11    return number;
12
13    procedure job_insert(p_job job_rec);
14
15 end job_pkg;
16
```

The bottom pane, titled 'Script Output', shows the result of the execution: 'Task completed in 0.06 seconds'. Below this, a red-bordered box highlights the message 'Package JOB_PKG compiled'.

Package Body:

```
1 set serveroutput on;
2 create or replace package body job_pkg
3 is
4
5 function job_id_check(p_job number)
6     return number
7     is
8     v_id number;
9     begin
10         select count(*) into v_id from job where job_id = p_job;
11         return v_id;
12     end;
13
14 function job_name_check(p_job varchar2)
15     return number
16     is
17     v_job varchar2(200);
18     begin
19         select count(*) into v_job from job where job_name = p_job;
20         return v_job;
21     end;
22
23 procedure job_insert(p_job job_rec)
24 is
```

```
23 procedure job_insert(p_job job_rec)
24 is
25 begin
26     if job_id_check(p_job.job_id) = 0 then
27         if job_name_check(p_job.job_name) = 0 then
28             insert into job values (p_job.job_id,
29                                     p_job.job_name,
30                                     p_job.dept_id);
31         else
32             dbms_output.put_line('Job name already exists.');
```

Script Output x
Task completed in 0.071 seconds

Package Body JOB_PKG compiled

Package Calling:

```
Worksheet  Query Builder
1  set serveroutput on;
2
3  declare
4      l_job job_pkg.job_rec;
5
6  begin
7      l_job.job_id := 107;
8      l_job.job_name := 'HR';
9      l_job.dept_id := 10;
10
11     job_pkg.job_insert(l_job);
12 end;
13 /
14 select * from job;
15
```

Script Output x | Task completed in 0.045 seconds

PL/SQL procedure successfully completed.

```
14  select * from job;
15
```

Script Output x | Query Result x | All Rows Fetched: 7 in 0.003 seconds

	JOB_ID	JOB_NAME	DEPT_ID
1	101	Manager	50
2	102	Clark	20
3	103	Asst Manager	30
4	104	Developer	20
5	105	Tester	50
6	106	CEO	40
7	107	HR	10