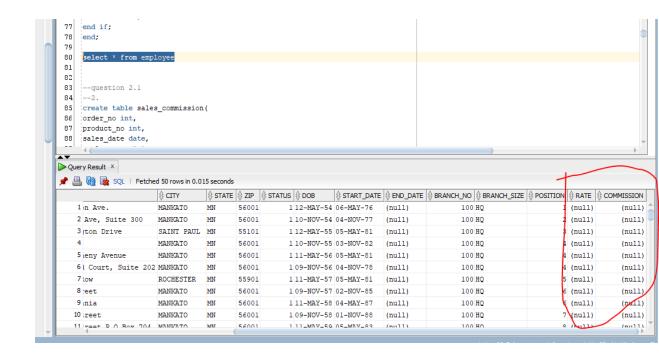
2.1 Add employee commission to db:

1. update the commission rate for the sales related employees only

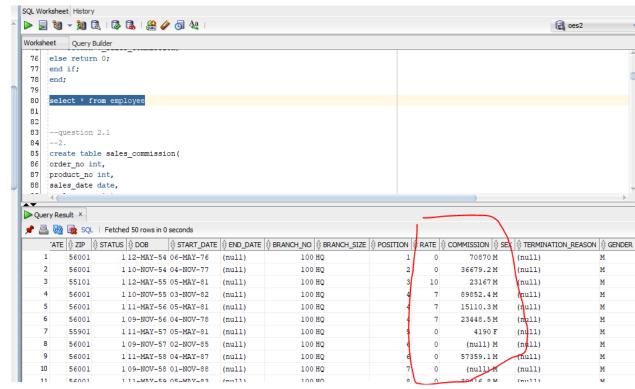
the sp will check if the position is 3 or 4, if it is then the commission is applied else not a.pplied.

The procedure is in the .txt file and the

execute sp_update_commission_rate; will add the rate to the employee and udf_comm_amt is used to find the commission amount for those employee only



After execution of the sp and function



Here we see the rate is non zero only for position is 3 or 4 and commission is applied to those only.

Question 2.2

Table return_commission and sales_commission, orders_mv created.

trigger sales_commission is fired when new rows are inserted in orders_mv;

```
SELECT * FROM SALES_COMMISSION;

EXECUTE p_commission_sales;

ript Output * Query Result *

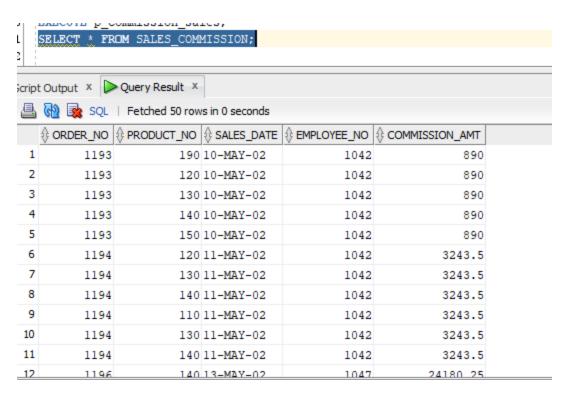
SQL | All Rows Fetched: 0 in 0 seconds

ORDER_NO & PRODUCT... & SALES_D... & EMPLOYE... & COMMISS...
```

AFTER

AFTER executing sp

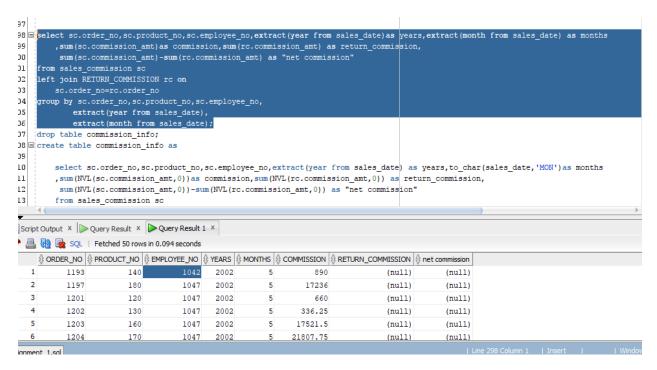
```
98 | SELECT * FROM SALES_COMMISSION;
 99
100 EXECUTE p_commission_sales;
101
102
Script Output X De Query Result X
🎤 🥜 🖥 🖺 🔋 | Task completed in 0.625 seconds
order no : 2360
order no : 2371
order no : 2372
order no : 2432
order no : 2434
order no : 2444
order no : 2453
order no : 2465
order no : 2468
order no : 2477
PL/SQL procedure successfully completed.
```



Here the sales commission table is populated after the sp is executed which in turn fire the trigger..

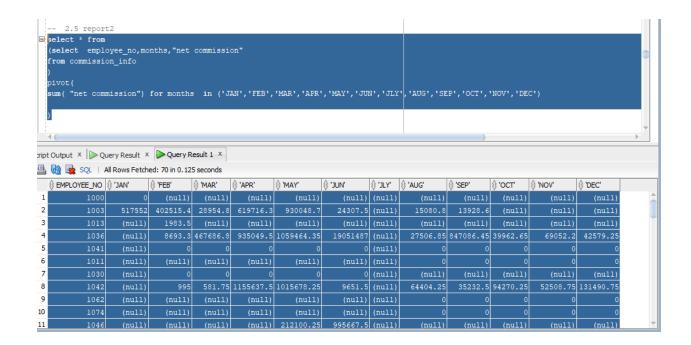
Similarly, the return sales trigger and sp is created. The script is in script file..

Report1:



Report 2.5

```
-- 2.5 report2 Here we use the oracle pivot function for cross tabular work select * from (select employee_no,months,"net commission" from commission_info ) pivot( sum( "net commission") for months in ('JAN','FEB','MAR','APR','MAY','JUN','JLY','AUG','SEP','OCT','NOV','DEC') )
```



calculate the **employee_commission**

For this the rate is updated in the employee table for the given business rule using the function.

- 1.function **udf commission rate** to calculate the year of experience.
- 2. procedure **sp_update_commission_rate** to update the rate for the employee based on year of experience returned by udf commission rate

Table employee_rate_audit is created to verify the rate has been update in the employee table after executing the procedure sp_update_commission_rate.

The trigger **rate_audit** is created to insert the record in employee rate_audit table that holds the before and after insert value for rate.

Now execute select * from employee rate audit; before executing the procedure

```
select * from employee_rate_audit;
select * from employee;
execute sp_update_commission_rate;
select * from employee;
select * from employee;
select * from employee_rate_audit;
-- commission table creation
decreate table commission as (select e.employee_no,nvl

ript Output * Query Result *

SQL | All Rows Fetched: 0 in 0 seconds

EMPLOYE... RATE_BE... RATE_AF... UPDATE_...
```

