

Day-2 Assignment

- 1) (a) Insert the following 5 rows in depart table using Insert command.

USE pl_sql_ex

insert into department values (10,'purchase',123), (20,'inventory',345),
(30,'sales',567), (40,'materials',789) , (50,'production',911);

select * from pl_sql_ex.department;

	DEPART_ID	DEPART_NAME	MANAGER_ID
▶	10	purchase	123
	20	inventory	345
	30	sales	567
	40	materials	789
	50	production	911
•	NULL	NULL	NULL

- 2) Insert the following 5 rows in employees table using insert command.

insert into employees values('E-101','gayu','gayu101@gmail.com',9448341201
,10,12000), ('E-102','vv','vv102@gmail.com',9448534120,20,10000),
('E-103','arya','arya103@gmail.com',9448886634,40,15000),
('E-104','daisy','daisy104@gmail.com',9448886634 , 50,11500),
('E-105','suja','suja105@gmail.com',9848341200 ,40,22000),
('E-106','keerthi','keerthi106@gmail.com',9848341212 ,30,25000);

select * from employees;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-102	vv	vv102@gmail.com	9448534120	20	10000.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-104	daisy	daisy104@gmail.com	9448886634	50	11500.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	25000.00
•	NULL	NULL	NULL	NULL	NULL	NULL

3) (a) Select all employees working in materials department.

select * from employees where DEPART_ID=40;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
•	NULL	NULL	NULL	NULL	NULL	NULL

select * from employees e, department d where e.DEPART_ID=d.DEPART_ID and d.DEPART_NAME='materials';

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary	DEPART_ID	DEPART_NAME	MANAGER_ID
▶	E-103	arya	arya103@gmail.com	9448886634	40	15000.00	40	materials	789
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00	40	materials	789

(b) Select the department number and employees' names who are working in sales

select DEPART_ID, EMP_NAME from employees where DEPART_ID=30;

select d.DEPART_ID, e.EMP_NAME from employees e, department d where e.DEPART_ID=d.DEPART_ID and d.DEPART_NAME='sales';

	DEPART_ID	EMP_NAME
▶	30	keerthi

(c) Select the names of the employees who are working in materials department earning salary more than 15000

select EMP_NAME from employees where DEPART_ID=40 and salary >15000;

	EMP_NAME
▶	suja

(d) select all employee's name, salary and 5% of their salary as BONUS.

select EMP_NAME, salary+salary*0.05 as bonus from employees;

	EMP_NAME	bonus
▶	gayu	12600.0000
	vv	10500.0000
	arya	15750.0000
	daisy	12075.0000
	suja	23100.0000
	keerthi	26250.0000

(e) select all employees details whose name starts with letter 'g';

select * from employees where EMP_NAME like 'g%';

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
*	NULL	NULL	NULL	NULL	NULL	NULL

4) (a)Update all employee records in sales department with 10% raise in salary

update employees set salary=salary+(salary*0.10) WHERE DEPART_ID=30;

select * from employees ;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-102	vv	vv102@gmail.com	9448534120	20	10000.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-104	daisy	daisy104@gmail.com	9448886634	50	11500.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	27500.00
*	NULL	NULL	NULL	NULL	NULL	NULL

(b)Update all employees' salary with 3% reduction in inventory department.

update employees set salary=salary-(salary*0.03) WHERE DEPART_ID=20;

select * from employees ;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-102	vv	vv102@gmail.com	9448534120	20	9700.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-104	daisy	daisy104@gmail.com	9448886634	50	11500.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	27500.00
★	NULL	NULL	NULL	NULL	NULL	NULL

- 5) After doing Q.3 and Q.4, create a table with name updatedemp by selecting columns Emp_ID, Emp_name, email associated with employees table and with dept_id values greater than 20

create table updatedemp as select EMP_ID, EMP_NAME,EMAIL from employees where DEPART_ID>20;

select * from updatedemp;

	EMP_ID	EMP_NAME	EMAIL
▶	E-106	keerthi	keerthi106@gmail.com
	E-103	arya	arya103@gmail.com
	E-105	suja	suja105@gmail.com
	E-104	daisy	daisy104@gmail.com

- 6) Delete all employees who are drawing salary less than 12000

SET SQL_SAFE_UPDATES=0;

delete from pl_sql_ex.employees where salary < 12000;

select * from employees;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	27500.00
★	NULL	NULL	NULL	NULL	NULL	NULL

- 7) Create a new table with name view tab by selecting all values from updatedemp

create table viewtab as select * from updatedemp;

select * from viewtab;

	EMP_ID	EMP_NAME	EMAIL
▶	E-106	keerthi	keerthi106@gmail.com
	E-103	arya	arya103@gmail.com
	E-105	suja	suja105@gmail.com
	E-104	daisy	daisy104@gmail.com

- 8) Create a view with name my tab with EMP_ID, EMP_NAME, DEPT_ID with salary values greater than or equal to 10000.

create or replace view mytab as select EMP_ID,EMP_NAME,DEPART_ID,salary from employees where salary >= 10000;

select * from pl_sql_ex.mytab;

	EMP_ID	EMP_NAME	DEPART_ID	salary
▶	E-101	gayu	10	12000.00
	E-103	arya	40	15000.00
	E-105	suja	40	22000.00
	E-106	keerthi	30	27500.00

- 9) Display all rows in employees in ascending order of salary.

select * from pl_sql_ex.employees order by salary asc;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	27500.00
•	NULL	NULL	NULL	NULL	NULL	NULL

10) Display all rows in employees in descending order of their names

select * from pl_sql_ex.employees order by EMP_NAME desc;

	EMP_ID	EMP_NAME	EMAIL	PHONE_NUMBER	DEPART_ID	salary
▶	E-105	suja	suja105@gmail.com	9848341200	40	22000.00
	E-106	keerthi	keerthi106@gmail.com	9848341212	30	27500.00
	E-101	gayu	gayu101@gmail.com	9448341201	10	12000.00
	E-103	arya	arya103@gmail.com	9448886634	40	15000.00
●	NULL	NULL	NULL	NULL	NULL	NULL