

1. Create a table with eid, ename, salary, hire_date and address columns.
create table emp
(eid number, ename varchar2(30), salary number(8,2), hire_date date, address varchar2(50));
2. Set primary key on eid.
alter table emp add constraint emp_eid_pk primary key(eid)
3. Insert five record using substitution variables.
insert into emp (eid, ename, salary, hire_date, address)
values(&eid, '&ename', &salary, '&hire_date', '&address');
4. Add two columns named as phone, job_title.
alter table emp add(phone varchar2(11), job_title varchar2(30));
5. Make a query with ename, job_title, salary and salary with 30% bonus.
select ename, job_title, salary, salary+(salary*.30) as review_salary
From emp;
6. Make a query with ename, salary where salary is equal to minimum salary of employees.
select ename, salary
From emp
Where salary =(select MIN(salary) from emp);
7. Update all job_title to manager.
update emp set job_title='Manager'
8. Create a view.
create view v_emp as select ename, job_title, salary, salary+(salary*.30) as review_salary
from emp;
9. Create a sequence.
create sequence eid_seq
increment by 1
start with 100 maxvalue 1000000
nocache nocycle;
10. Create an index.
create index emp_id_idx On emp(eid)
11. Create a trigger
create table noman
(id number,
name varchar2(30),
salary number (8,2));

create table audit_noman
(id number,
name varchar2(30),
old_salary number (8,2),
new_salary number (8,2), change_date date);

desc noman
desc audit_noman

insert into noman
values(4, 'C', 5000.00);

create or replace trigger update_audit_noman
before update on noman
for each row

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begin
insert into audit_noman values(:old.id, :old.name, :old.salary, :new.salary, sysdate);
end;
-----
update noman set salary=6000 where id=12
-----
select *from audit_noman

```

Procedure:

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create or replace procedure sqNum(x in out number) as
begin
x :=x*x;
end;
-----
set serveroutput on;
declare
a number :=6;
begin
seqNum(a);
dbms_output.put_line(a);
end;

```

function with Paramiter

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create or replace function findMax(x in number, y in number)
Return number is z number;
begin
if x>y then
z:=x;
else
z:=y;
end if;
return z;
end;
-----
set serveroutput on
begin
dbms_output.put_line(findMax(45,44));
end;
-----

```

function Total Employees

```

create or replace function totalEmployees
return number is total number (3):=0;
begin
select count (*) into total
from employees;
return total;
end;
-----
declare
c number(3);
begin
c:= totalEmployees();
dbms_output.put_line('Total Employee is'||c);
end;

```

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