```
a)
create or replace function add1(a integer)
            return a+1;
language plpgsql;
select add1(9);
b)
create or replace function sum(a integer,b integer)
            return a+b;
language plpgsql;
select sum(4,5);
create or replace function checkNum(a integer)
            if (a\%2=0) then
                  return true;
            end if;
language plpgsql;
select checkNum(3);
create or replace function checkPassword(a varchar, password varchar default 'N')
returns bool as
            end if;
language plpgsql;
select checkPassword('N','N');
e)
create or replace function print(inout a varchar, out valid varchar)
      if checkPassword(a,password) = true then
      language plpgsql;
 select print('urs');
```

```
a)
create table table1
create or replace function checkTimestamp()
      language plpgsql
as
$$
      insert into check values (now());
     raise notice 'timestamp is %', now();
create trigger timestampTrigger
     on table1
execute procedure checkTimestamp();
insert into table1
b)
create or replace function calculateAge()
     new.age = date_part('year', age(current_date, new.date));
language plpgsql;
create trigger ageTrigger
     before insert
     on table1
execute procedure calculateAge();
create table table2
```

```
language plpgsql;
create trigger taxTrigger
     on table2
     for row
d)
create or replace function stop()
     language plpgsql
create trigger stopTrigger
     before delete
     on table2
execute procedure stop();
delete
from table2
create table table3
     name varchar,
create trigger superTrigger
     on table3
execute procedure superFunction();
create or replace function superFunction()
     perform checkPassword(new.password);
     perform print(new.password);
language plpgsql;
insert into table3
create table table4
```

```
workExp integer,
discount integer,
age integer
);
a)create or replace procedure ineSal()
as
$$$
begin
update table4
set salary = salary + (salary * (workExp/ 2 * 0.1));
update table4
set discount = 10 + (workExp / 5 * 0.1);
end;
$$$
language plpgsql;
insert into table4
VALUES ('Nurs', 15000, 3);
b)
create or replace procedure change()
as
$$$
begin
update table4
set salary = salary * 1.15
where age >= 40;
update table4
set salary = salary * 1.15, discount = 20
where workExp > 8;
end;
$$$
language plpgsql;
insert into table4
VALUES ('name', 100000, 9.18);
insert into table4
VALUES ('name', 100000, 9.43);
```