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-- Grupa 233 - Semigrupa 2

-- 1.

-- a) 2

-- b) text 2

-- c) text 3 adaugat in sub-bloc

-- d) 101

-- e) text 1 adaugat un blocul principal

-- f) text 2 adaugat in blocul principal

set serveroutput on;

DECLARE

numar number(3):=100;

mesaj1 varchar2(255):='text 1';

mesaj2 varchar2(255):='text 2';

BEGIN

 DECLARE

 numar number(3):=1;

 mesaj1 varchar2(255):='text 2';

 mesaj2 varchar2(255):='text 3';

 BEGIN

 numar:=numar+1;

 mesaj2:=mesaj2 || ' adaugat in sub-bloc';

 DBMS_OUTPUT.PUT_LINE(numar || ' ' || mesaj1 || ' ' || mesaj2);

 END;

numar:=numar+1;

```
    mesaj1:=mesaj1||' adaugat un blocul principal';
    mesaj2:=mesaj2||' adaugat in blocul principal';
    DBMS_OUTPUT.PUT_LINE(numar || ' ' || mesaj1 || ' ' || mesaj2);
END;
```

-- 2. a)

```
select zi, nvl(nr_imp, 0) from (
    select to_char(last_day(add_months(sysdate, -3)) + level, 'dd-mm-yyyy') zi
    from dual
    connect by level <= extract(day from last_day(add_months(sysdate, -1)))
) a1
left join (
    select to_char(book_date, 'dd-mm-yyyy') book_date, count(*) nr_imp from rental r
    join title_copy tc on tc.title_id = r.title_id and tc.copy_id = r.copy_id
    group by to_char(book_date, 'dd-mm-yyyy')
) a2 on a1.zi = a2.book_date
order by 1;
```

-- b)

```
create table octombrie_ipc (
    id number,
    data date
);
```

declare

```
v_data date := last_day(add_months(sysdate,-2))+1;
```

```

v_contor number := 0;
v_data_crt date;

begin

loop

v_data_crt := v_data + v_contor;
v_contor := v_contor + 1;

insert into octombrie_ipc
values (v_contor,v_data_crt);

exit when v_contor > 30;
end loop;

end;

select * from octombrie_ipc;

select zi,nvl(nr_imp,0) from (select to_char(data,'dd-mm-yyyy') zi from octombrie_ipc) a1
left join (select to_char(book_date, 'dd-mm-yyyy') book_date, count(*) nr_imp from rental r
join title_copy tc on tc.title_id = r.title_id and tc.copy_id = r.copy_id
group by to_char(book_date, 'dd-mm-yyyy'))
) a2 on a1.zi = a2.book_date
order by 1;

-- 3.

```

```
set echo off;
```

```
declare
```

```
    v_nume    member.last_name%TYPE := &p_nume;
```

```
    v_nr      number;
```

```
begin
```

```
    select count(*) into v_nr
```

```
    from member
```

```
    where lower(last_name) = lower(v_nume);
```

```
case
```

```
    when v_nr < 1 then dbms_output.put_line('Nu exista un membru cu acest nume');
```

```
    when v_nr > 1 then dbms_output.put_line('Prea multi cu acest nume');
```

```
else
```

```
    begin
```

```
        select count(*) into v_nr
```

```
        from rental r, member m
```

```
        where m.member_id = r.member_id
```

```
        and lower(m.last_name) = lower(v_nume);
```

```
        dbms_output.put_line(v_nr || ' titluri imprumutate de membrul cu numele ' || v_nume);
```

```
    end;
```

```
end case;
```

```
end;
```

```
-- 4.
```

```
set echo off;
```

declare

v_nume member.last_name%TYPE := &p_nume;

v_nr number;

v_nr_titluri number;

v_procent number;

begin

select count(*) into v_nr_titluri

from title;

select count(*) into v_nr

from member

where lower(last_name) = lower(v_nume);

case

when v_nr < 1 then dbms_output.put_line('Nu exista un membru cu acest nume');

when v_nr > 1 then dbms_output.put_line('Prea multi cu acest nume');

else

begin

select count(distinct title_id) into v_nr

from rental r, member m

where m.member_id = r.member_id

and lower(m.last_name) = lower(v_nume);

dbms_output.put_line(v_nr || ' titluri distincte imprumutate de membrul cu numele ' ||
v_nume);

v_procent := v_nr * 100 / v_nr_titluri;

```

        case
            when v_procent < 25 then dbms_output.put_line('Categoria 4');
            when v_procent < 50 then dbms_output.put_line('Categoria 3');
            when v_procent < 75 then dbms_output.put_line('Categoria 2');
            else dbms_output.put_line('Categoria 1');
        end case;
    end;
end case;
end;

```

```
-- 5.
```

```
create table member_ipc as select * from member;
```

```
alter table member_ipc
add discount number;
```

```
set echo off;
```

```
declare
```

```

v_id_membru    member.member_id%TYPE:=&p_id;
v_nr           number;
v_nr_titluri   number;
v_procent      number;

```

```
begin
```

```

select count(distinct title_id) into v_nr
from rental

```

```
where member_id = v_id_membru;
```

```
select count(*) into v_nr_titluri
```

```
from title;
```

```
v_procent := v_nr * 100 / v_nr_titluri;
```

```
case
```

```
  when v_procent < 25 then dbms_output.put_line('Nimic de updatat');
```

```
  when v_procent < 50 then
```

```
    begin
```

```
      update member_ipc
```

```
      set discount = 3
```

```
      where member_id = v_id_membru;
```

```
      dbms_output.put_line('Updatat conform categoriei');
```

```
    end;
```

```
  when v_procent < 75 then
```

```
    begin
```

```
      update member_ipc
```

```
      set discount = 5
```

```
      where member_id = v_id_membru;
```

```
      dbms_output.put_line('Updatat conform categoriei');
```

```
    end;
```

```
else
```

```
begin

    update member_ipc
    set discount = 10
    where member_id = v_id_membru;

    dbms_output.put_line('Updatat conform categoriei');
end;

end case;

end;
```