

-- Preda Mihai-Dragos --

-- Grupa: 135 --

-- Nr 131 --

--Exercitiul 1--

```
select distinct c.denumire, c2.denumire as "depinde de", md.denumire as "mod desfasurare"
from CURS c
join DEPINDE d on (c.id = d.id_curs)
join CURS c2 on (c2.id = d.id_curs_necesar)
join SESIUNE_CURS sc on (c.id = sc.id_curs)
left join MOD_DESFASURARE md on (sc.id_mod_desfasurare = md.id)
where c2.nivel = 'avansat';
```

--Exercitiul 2--

```
select c.denumire, count(distinct sc.id) as "sesiuni", count(distinct u.id) as "nr utilizatori"
from CURS c
join SESIUNE_CURS sc on (c.id = sc.id_curs)
left join SE_INSCRIE se on (sc.id = se.id_sesiune_curs)
left join UTILIZATOR u on (u.id = se.id_utilizator)
group by c.denumire
having count(distinct sc.id) >= 3;
```

--Exercitiul 3--

```
select id_curs, cost
from SESIUNE_CURS crs
where id in
    (select c.id
     from SESIUNE_CURS sc
```

```

        join CURS c on (sc.id_curs = c.id)

        where sysdate - sc.data_start < c.durata_zile

        and cost = crs.cost)

group by id_curs, cost

having count(id_curs) = (select count(id_curs)

        from SESIUNE_CURS sc

        join CURS c on (sc.id_curs = c.id)

        where sysdate - sc.data_start < c.durata_zile

        and id_curs = crs.id_curs);

```

--Exercitiul 4--

```

insert into ALEGE_FAVORIT(id_utilizator, id_curs, data_adaugare)

values((select u.id

        from UTILIZATOR u

        join SE_INSCRIE se on(se.id_utilizator = u.id)

        join SESIUNE_CURS sc on(sc.id = se.id_sesiune_curs)

        join CURS c on(c.id = sc.id_curs)

        group by u.id

        having count(distinct c.id) = (select max(count(distinct c.id))

                from UTILIZATOR u

                join SE_INSCRIE se on(se.id_utilizator = u.id)

                join SESIUNE_CURS sc on(sc.id = se.id_sesiune_curs)

                join CURS c on(c.id = sc.id_curs)

                group by u.id)),

(select id

        from CURS

        where denumire = 'Advanced SQL'),

(select sysdate from dual)

);

```

--Exercitiul 5--

```
select constraint_name, constraint_type, table_name
from USER_CONSTRAINTS
where lower(table_name) = 'sesiune_curs'
and lower(constraint_name) like '%mod_desf%';
```

```
alter table SESIUNE_CURS
drop constraint fk_sesiune_mod_desf;
```

```
alter table SESIUNE_CURS
add constraint fk_sesiune_mod_desfasurare foreign key(id_mod_desfasurare) references
mod_desfasurare(id) on delete set null;
```