1-

$\pi_{DNI}(\sigma_{fin\_contrato - inicio\_contrato > 2400}(\text{contrato } \theta_{id\_contrato=id\_cliente} \text{ clientes}))$

SELECT DNI FROM iaa10.contracts co JOIN iaa10.clients cl ON (co.idcontract=cl.clientid) WHERE co.enddate - co.startdate > 2400 OR SYSDATE-co.startdate>2400;

2-

$\pi_{titulo\_pelicula}(\sigma_{color!='B' \text{ AND } title\_year>2010}(\text{peliculas}))$

SELECT movie_title FROM iaa10.movies WHERE color!='B' and title_year>2010;

3-

$\pi_{pais}(\sigma_{presupuesto>250000000}(\text{peliculas}))$

SELECT DISTINCT country FROM iaa10.movies WHERE budget>250000000;

4-

$\pi_{actor}(\text{actuaciones}) - \pi_{actor}(\sigma_{UPPER(géneros\_peliculas) \text{ like } '\%COMEDY\%'}(\text{actuaciones}\theta_{titulo\_actuacion=titulo\_generos} \text{ generos\_peliculas}))$

SELECT DISTINCT actor FROM iaa10.casts MINUS SELECT DISTINCT actor from iaa10.casts c JOIN iaa10.genres_movies g ON (g.title=c.title) WHERE UPPER(g.genre) like '%COMEDY%';

5-

$\pi_{titulo}(\text{taps\_movies}) - \pi_{titulo}(\sigma_{PCT\_peliculas <5}(\text{taps\_movies}))$

SELECT DISTINCT title FROM iaa10.taps_movies MINUS SELECT DISTINCT title from iaa10.taps_movies m WHERE m.PCT <5;

$\pi_{titulo\_pelicula}(\sigma_{color!='B' \text{ AND } title\_year>2010}(\text{peliculas}))$