# Apartado 3

1. Consulta 1

delete plan\_table;

EXPLAIN PLAN

SET STATEMENT\_ID= 'mipru05'

INTO plan\_table

FOR select \* from hector.pelisahora where ID in

(select ID from hector.pelishist where ID like '%1%');

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OPERACION | OPCIONES | TABLA | Coste | Filas | PADRE | ID |
| NESTED LOOPS |  |  | 19 | 26 | 0 | 1 |
| TABLE ACCESS | FULL | PELISAHORA | 19 | 142 | 1 | 2 |
| INDEX | UNIQUE SCAN | CLAVEPPELISHIST | 0 | 1 | 1 | 3 |

ID 1

NESTED LOOPS

ID 2

TABLE ACCESS FULL PELISAHORA

CLIENTE

ID 3

INDEX UNIQUE SCAN CLAVEPPELISHIST

* Se realiza en pelishist una búqueda por índice único por que se consulta el atributo id que es clave primaria e índice.
* Como pelisahora no tiene ningún índice se realiza un acceso a table complete.
* Con los datos de la primera table se consulta la segunda y provoca el nested loops.

1. Consulta 2

delete plan\_table;

EXPLAIN PLAN

SET STATEMENT\_ID= 'mipru05'

INTO plan\_table

FOR select \* from hector.pelisahora where ID in

(select descripcion from hector.pelishist where ID like '%1%');

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OPERACION | OPCIONES | TABLA | Coste | Filas | PADRE | ID |
| NESTED LOOPS |  |  |  |  | 0 | 1 |
| NESTED LOOPS |  |  | 73 | 26 | 1 | 2 |
| SORT | UNIQUE |  | 68 | 26 | 2 | 3 |
| TABLE ACCESS | FULL | PELISHIST | 68 | 26 | 3 | 4 |
| INDEX | UNIQUE SCAN | PELISAHORAPRIMARIA | 0 | 1 | 2 | 5 |
| TABLE ACCESS | BY INDEX ROWID | PELISAHORA | 1 | 1 | 1 | 6 |

ID 1

NESTED LOOPS

ID 5

INDEX UNIQUE SCAN PELISAHORAPRIMARIA

ID 2

NESTED LOOPS

CLIENTE

ID 3

SORT UNIQUE

CLIENTE

ID 4

TABLE ACCESS FULL PELISHIST

CLIENTE

ID 6

TABLE ACCESS BY INDEX ROWID PELISAHORA

* Se accede a las filas de la tabla pelisahora y se accede por la clave primaria para compararla con la consulta en pelishist.
* Se accede a toda la table de pelishist por que se está consultando por id pero con una conincidencia que necesita comprobar todas las filas.
* Se ordenan por el índice.
* Y se consultan las filas de pelishist a través de las de pelisahora.

1. Consulta 3

delete plan\_table;

EXPLAIN PLAN

SET STATEMENT\_ID= 'mipru05'

INTO plan\_table

FOR select \* from hector.pelisahora where ID in

(select descripcion from hector.pelishist where

ID like '%1%' or ID ='3');

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| OPERACION | OPCIONES | TABLA | Coste | Filas | PADRE | ID |
| NESTED LOOPS |  |  |  |  | 0 | 1 |
| NESTED LOOPS |  |  | 73 | 27 | 1 | 2 |
| SORT | UNIQUE |  | 68 | 27 | 2 | 3 |
| TABLE ACCESS | FULL | PELISHIST | 68 | 27 | 3 | 4 |
| INDEX | UNIQUE SCAN | PELISAHORAPRIMARIA | 0 | 1 | 2 | 5 |
| TABLE ACCESS | BY INDEX ROWID | PELISAHORA | 1 | 1 | 1 | 6 |

ID 1

NESTED LOOPS

ID 5

INDEX UNIQUE SCAN PELISAHORAPRIMARIA

ID 2

NESTED LOOPS

CLIENTE

ID 3

SORT UNIQUE

CLIENTE

ID 4

TABLE ACCESS FULL PELISHIST

ID 6

TABLE ACCESS BY INDEX ROWID

- En este caso es igual que el anterior a excepción de que más filas cumplen la condición de la sub-consulta.