INVESTIGACION:

A. NULL

1. ¿Qué significa?

* ‘Un campo con un valor NULO es un campo sin valor.

Es opcional, es posible insertar un nuevo registro o actualizar un registro sin agregar un valor a este campo. Luego, el campo se guardará con un valor NULO.’

2. ¿Resultado de operarlo con los diferentes tipos de operadores: aritméticos, lógicos y de comparación?

* Con los operadores de comparación la función no se puede ejecutar ya que se necesitan dos cosas y estarías comparando una con nada, lo cual no tiene sentido. Caso muy similar a los operadores aritméticos o numéricos, un ejemplo claro es hacer ABS de nada. Por otro lado están los lógicos que no servirán si y solo si se comparan con valores desconocidos como lo son IS NULL o IS NOT NULL.

MORE join operations

* **SELECT** id, title

**FROM** movie

**WHERE** yr=1962

* **SELECT** yr

**FROM** movie

**WHERE** title='Citizen Kane'

* **SELECT** id,title,yr

**FROm** movie

**WHERE** title **LIKE** '%Star Trek%'

* **SELECT** id

**FROM** actor

**WHERE** name='Glenn Close'

* **SELECT** id

**FROM** movie

**WHERE** title='Casablanca'

* **SELECT** name

**FROM** casting **JOIN** actor **ON** casting.actorid=actor.id

**WHERE** movieid=11768

* **SELECT** name

**FROM** (actor **JOIN** casting **ON** actor.id=casting.actorid) **JOIN** movie **ON** casting.movieid=movie.id

**WHERE** movie.title='Alien'

* **SELECT** title

**FROM** (movie **JOIN** casting **ON** movie.id=casting.movieid) **JOIN** actor **ON** casting.actorid=actor.id

**WHERE** actor.name= 'Harrison Ford' **AND** casting.movieid=movie.id

* **SELECT** title

**FROM** (movie **JOIN** casting **ON** movie.id=casting.movieid) **JOIN** actor **ON** casting.actorid=actor.id

**WHERE** ord!=1 **AND** actor.name='Harrison Ford'

* **SELECT** title,name

**FROM** (movie **JOIN** casting **ON** movie.id=casting.movieid) **JOIN** actor **ON** casting.actorid=actor.id

**WHERE** movie.yr=1962 and casting.ord=1

* **SELECT** yr,**COUNT**(title) **FROM**

movie **JOIN** casting **ON** movie.id=movieid

**JOIN** actor **ON** actorid=actor.id

**WHERE** name='John Travolta'

**GROUP** **BY** yr

**HAVING** **COUNT**(title)=(**SELECT** MAX(c) **FROM**

(**SELECT** **COUNT**(title) **AS** c **FROM**

movie **JOIN** casting **ON** movie.id=movieid

**JOIN** actor **ON** actorid=actor.id

**WHERE** name='John Travolta'

**GROUP** **BY** yr) **AS** t)

* **SELECT** title,name **FROM** movie **JOIN** casting ON (movie.id=casting.movieid)**JOIN** actor ON( casting.actorid=actor.id)

**WHERE** ord=1 AND casting.movieid IN (**SELECT** movieid **FROM** casting

**WHERE** actorid **IN** (**SELECT** id **FROM** actor

**WHERE** name='Julie Andrews'))

* **SELECT** name

**FROM** actor **JOIN** casting **ON** (actor.id = casting.actorid)

**WHERE** (**SELECT** **COUNT**(ord) **FROM** casting **WHERE** actorid = actor.id **AND** ord=1)>=30

**GROUP** **BY** name

* **SELECT** title,count(actorid) FROM movie **JOIN** casting **ON** (movie.id=casting.movieid)

**WHERE** yr=1978

**GROUP** **BY** title

**ORDER** **BY** COUNT(actorid) DESC,title

* **SELECT** name

**FROM** actor **JOIN** casting **ON** (actor.id=casting.actorid) **JOIN** movie **ON** (casting.movieid=movie.id)

**WHERE** movie.id IN (**SElECT** movieid **FROM** casting **WHERE** actorid **IN**(**SELECT** id **FROM** actor **WHERE** name='Art Garfunkel')) **AND** name!='Art Garfunkel'

SELF join

* **SELECT** count(id)

**FROM** stops

* **SELECT** id

**FROM** stops

**WHERE** name= 'Craiglockhart'

* **SELECT** id,name

**FROM** stops **JOIN** route **ON** (stops.id=route.stop)

**WHERE** num='4' **AND** company='LRT'

* **SELECT** company, num, **COUNT**(\*)

**FROM** route **WHERE** stop=149 **OR** stop=53

**GROUP** **BY** company, num

**HAVING** **COUNT**(\*)>1

* **SELECT** a.company, a.num, a.stop, b.stop

**FROM** route a **JOIN** route b **ON**

(a.company=b.company **AND** a.num=b.num)

**WHERE** a.stop=53 **AND** b.stop=(**SELECT** id **FROM** stops **WHERE** name='London Road' )

* **SELECT** a.company, a.num, stopa.name, stopb.name

**FROM** route a **JOIN** route b **ON**

(a.company=b.company **AND** a.num=b.num)

**JOIN** stops stopa **ON** (a.stop=stopa.id)

**JOIN** stops stopb **ON** (b.stop=stopb.id)

**WHERE** stopa.name='Craiglockhart' **AND** stopb.name='London Road'

* **SELECT** a.company,a.num

FROM route a **JOIN** route b **ON**

(a.company=b.company **AND** a.num=b.num)

**JOIN** stops stopa **ON** (a.stop=stopa.id)

**JOIN** stops stopb **ON** (b.stop=stopb.id)

**WHERE** stopa.name='Haymarket' **AND** stopb.name='Leith'

* **SELECT** a.company,a.num

**FROM** route a **JOIN** route b **ON**

(a.company=b.company AND a.num=b.num)

**JOIN** stops stopa **ON** (a.stop=stopa.id)

**JOIN** stops stopb **ON** (b.stop=stopb.id)

**WHERE** stopa.name='Craiglockhart' **AND** stopb.name='Tollcross'

* **SELECT** stopa.name,a.company,a.num

**FROM** route a **JOIN** route b **ON** (a.company=b.company **AND** a.num=b.num) **JOIN**

stops stopa **ON** (a.stop=stopa.id) **JOIN**

stops stopb **ON** (b.stop=stopb.id)

**WHERE** stopb.name='Craiglockhart'

Las consultas.

Primeras 4:

1. (SELECT description FROM extra) UNION (SELECT description FROM room\_type)
2. (SELECT guest\_id FROM booking) INTERSECT (SELECT id FROM guest)
3. SELECT EXTRACT(MONTH FROM '2016-11-27')
4. (SELECT amount FROM rate) UNION ALL (SELECT amount FROM extra)

Las de dos:

1. SELECT ISNULL(NULL) FROM guest
2. SELECT COALESCE(nights,'NO') FROM booking

La ultima

1. SELECT room\_no,CASE WHEN room\_no<200 THEN 'Mantenimiento' ELSE 'Ok' END FROM booking