

BUS 464 Clauses Cheat Sheet

by mochimeomeo via cheatography.com/195066/cs/40799/

CREATE

```
CREATE TABLE City (

Name varchar (10)

PRIMARY KEY,

Pop ulation int,

Pro vin ce_Name

varchar (10),
```

CONSTRAINT FOREIGN KEY

INSERT

```
INSERT INTO City (Name,
Population,Province_Name)
Values ("Bu rna by", 250 -
000 ,"BC ");
```

DELETE

```
DELETE FROM City
WHERE Name = " Bur nab y";
```

IN

```
SELECT * FROM share
WHERE shrcode IN
('FC', 'AR ',' SLG');
```

Find shrcode that are FC, AR, SLG

LIKE

```
Find students with surname

begins with 'Mc'

SELECT * FROM student WHERE
surname LIKE "Mc%";

Find students with surname end
with 'ith'

SELECT * FROM student WHERE
surname LIKE "%ith";

Find students with surname
having 'ack' inside

SELECT * FROM student WHERE
surname LIKE "%ack%";
```

A1: REGEXP

```
SELECT COUNT(*)

FROM film

WHERE specia l_f eatures

REGEXP 'Deleted

Scenes |Behind the Scenes'

AND length >

(SELECT AVG(le ngth)

FROM film

WHERE specia l_f -
eatures REGEXP 'Comme nta -
ries');
```

Get the count of movies that have "deleted scenes" or "behind the scenes" and are longer than average running length of all movies "commentaries"

GROUP BY, HAVING, ORDER BY

```
SELECT province, city,

SUM(revenue) AS TotalSales

FROM sales

WHERE countr y=' Canada'

GROUP BY province, city

HAVING TotalSales > 100000

ORDER BY province, TotalS ales;
```

Think about the order of processing the data, filtering row by row (WHERE), then aggregating (GROUP BY), then filtering (HAVING), then sorting (ORDER BY)

A1: AVG

```
SELECT AVG(rental_rate)
FROM film
WHERE rental _rate >
  (SELECT AVG(re nta l_rate)
FROM film);
```

Get the average of rental rate of movies whose rental rates are higher than average

A1: LENGTH

```
SELECT COUNT(*)
FROM film
WHERE rating = 'NC-17'
AND LENGTH (ti tle )-L ENG TH( -
REP LAC E(t itle, ' ', '')) >=2;
```

Get the count of NC-17 rating movies that have at least 3 words in their title

A1: LENGTH

```
SELECT *
FROM film
WHERE LENGTH (title) >
  (SELECT AVG(LE NGT H(f irs -
  t_name) + LENGTH (la st_ nam -
  e)+1)
FROM actor);
```

Get the list of films whose titles are longer than the average length of names of all actors in

the actor table

Data Types

CHAR(x)	VARCHAR(x)	INTEGER	DEC (x,y)
Exact length	Maximum length	or INT	x: tol numl digits y: nu of decir place
Alphan- umeric	Alphanumeric	Numeri	Num

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