

## Filter & Search Commands -

① dedup.

② filter.

③ filterout

④ search.

① dedup:- Remove the duplicate value from the list of records.

syn:- dedup exp

② filter:-

syn:-

filter condition.

filterout:- syn:- Remove record that matches a specific condition  
filterout condition [input]

③ search:-

search condition

↓  
searches for records that match the specified search condition

search condition

## Select & Modification Commands -

① fields.

② fieldsAdd.

③ fieldsKeep.

④ fieldsRemove.

⑤ fieldsRename.

~ ~ ~ ~ ~ Keep only the specified fields  
or . fields, fields

① fields:- Keep only the specified fields.

ex- fields fieldname1, field2, field3  
table f1, f2, f3

② fields Add:- Evaluate the expression & append or replace a field.

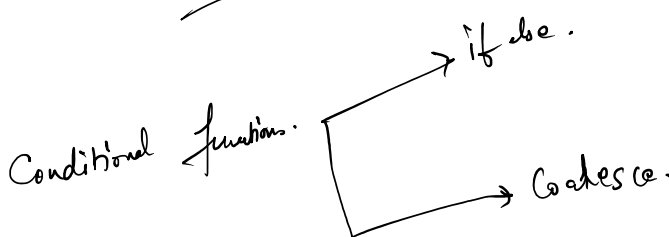
DGL  $\leftarrow$  fields Add fieldName = [= expression]  
 SPL  $\leftarrow$  eval fieldName = [= expression]

SPL  $\rightarrow$  if (Condition, "True", "False")  
 DGL  $\rightarrow$  if (Condition, "True", else: "False")

Coalesce:- Return the first non-null argument, if any otherwise null.

Syn:-

Coalesce (expression)



③ field keep  
field remove  $\rightarrow$  SPL  $\rightarrow$  fields - exclude or include a particular field.

fields - f1  
 fields + f1

- or - field remove f1  $\rightarrow$  exclude a specific field from the o/p.  
 include a specific field in the

DQL → field rename  
 fields keep f1 → include a ?  
 O/P.

④ field rename → Rename a field.

Syntax:- <sup>DQL</sup> field rename new-field-name = old-field-name

SQL → rename oldname AS new name.

SQL → rename oldname AS "New Name"  
 "New Name" = old-name

### Cryptographic function

① hash crc32

② hash md5

③ hash SHA1

④ hash SHA 256

⑤ hash sha 512

SQL → Vivek  
 ↓  
V\*\*\*K

DQL → Vivek  
 ↓  
abc123xyzdql

Syntax:- hashcrc32(expression)

### Ordering Command

① limit.

② sort.

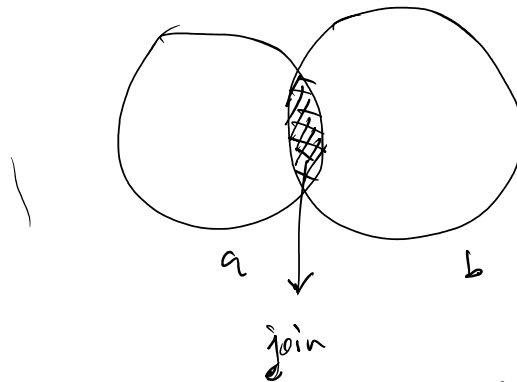
Define the no. of returned record.

(2.) sort

① Limit:- Define the no. of returned records.  
 DDL  $\leftarrow$   $\boxed{\text{limit} = 3}$   $\rightarrow$  3 records.  
 $\boxed{\text{head} = 3}$   $\rightarrow$  SPL

② sort:- sort fieldname [asc | desc]

sort fieldname  $\rightarrow$  default in ascending.  
 sort - fieldname  $\rightarrow$  descending order.



endswith():- check if a string expression ends with a suffix  
 endswith (expression, suffix [, case sensitive])

contain (content, "EPH")  $\rightarrow$  Boolean  $\rightarrow$  True/false  
 like  $\rightarrow$  check whether it matches the particular pattern.

fields add like (content, "% - %")  $\rightarrow$  True/false

match value boolean as o/p.  
 matchValue (content, " - \*")  $\rightarrow$  Case sensitive = true.

## DGL Function:-

1. Aggregation fun<sup>n</sup>
2. Array fun<sup>n</sup>
3. Bit wise fun<sup>n</sup>
4. Boolean fun<sup>n</sup>
5. Conditional fun<sup>n</sup>
6. Cryptographic fun<sup>n</sup>

(5) Condition  $\rightarrow$   
 (6) cryptographic fun $\rightarrow$   
 is Null, isNotNull, is True OR Null  
 (Ex) field = -row

- 7) general fun<sup>n</sup>
- 8) Sorting fun<sup>n</sup>
- 9) mathematical fun<sup>n</sup>
- 10) Network fun<sup>n</sup>
- ~~11) string fun<sup>n</sup>~~

12 Time given

is not null, is

(rex) field = raw

" " " " " "

page

DPC