

S04-L01 Partitions

Types of partitions:

- Range - `PARTITION BY RANGE(xxx) ... PARTITION pXXX VALUES LESS THAN (xxxx)`
- List - `PARTITION BY LIST(xxx) ... PARTITION pXXX VALUES IN ('X', 'Y', 'Z')`
- Hash - `PARTITION BY HASH(MONTH(invoiced_date)`

Sub-partitioning

```
CREATE TABLE `test` (`id` INT, `purchased` DATE)
PARTITION BY RANGE( YEAR(`purchased`) )
SUBPARTITION BY HASH( TO_DAYS(`purchased`) )
SUBPARTITIONS 10 (
    PARTITION p0 VALUES LESS THAN (1990),
    PARTITION p1 VALUES LESS THAN (2000),
    PARTITION p2 VALUES LESS THAN MAXVALUE
)
;
```