



Partitioned table by train\_id.

Each time when train switch to another block end\_date column need to be updated with systimestamp and new record need to be added with train\_id where the begin\_date will be the switch timestamp and the end\_date will some default data in the future.

```
update train set end_date(systimestamp)
where train_id=? and systimestamp is between begin_date and end_date;
```

```
insert into
train(position_block_id, train_id,begin_date,end_date)
values(?position_block_id, ?train_id, CURRENT_TIMESTAMP(),
CAST(("2050-00-00 00:00:00.000000" ) as TIMESTAMP) ;
```

To get the latest position -

```
select train_id, position_block_id from train
where sysdate between begin_date and end_date;
```