**Queries for Views are created to fetch out different fields:**

All the Queries were done on `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy` table. A copy of `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data’ is made and data is updated such that there is current year data to have visual output of all queries.

**DISTANCE:** Total Distance travelled by the user in last month, last week, previous day are fetched out by using the below queries.

**MONTHLY\_REPORT:**

SELECT userID,sum(distance) AS TOTAL\_DISTANCE

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE) - 1

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT (YEAR from CURRENT\_DATE)

group by userID

order by userID;

**WEEKLY\_REPORT:**

SELECT userID,sum(distance) AS TOTAL\_DISTANCE

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) > EXTRACT(DAY FROM CURRENT\_DATE) - 7 and

EXTRACT (DAY from DATE\_AEST) <= EXTRACT(DAY FROM CURRENT\_DATE)

and EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID

order by userID;

**DAILY\_REPORT:**

SELECT userID,sum(distance) AS TOTAL\_DISTANCE

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) = EXTRACT(DAY FROM CURRENT\_DATE) - 1 and

EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID,date\_AESt

order by userID;

**CALORIES:** Total Calories burned by the user in last month, last week, previous day are fetched out by using the below queries.

**MONTHLY\_REPORT:**

SELECT userID,sum(Calories) AS TOTAL\_Calories\_Burned

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE) - 1

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT (YEAR from CURRENT\_DATE)

group by userID

order by userID;

**WEEKLY\_REPORT:**

SELECT userID,sum(Calories) AS TOTAL\_Calories\_Burned

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) > EXTRACT(DAY FROM CURRENT\_DATE) - 7 and

EXTRACT (DAY from DATE\_AEST) <= EXTRACT(DAY FROM CURRENT\_DATE)

and EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID

order by userID;

**DAILY\_REPORT:**

SELECT userID,sum(Calories) AS TOTAL\_Calories\_Burned

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) = EXTRACT(DAY FROM CURRENT\_DATE) - 1 and

EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID,date\_AESt

order by userID;

**WEIGHT:** Average weight maintained by the user in last month, last week, previous day are fetched out by using the below queries.

**MONTHLY\_REPORT:**

SELECT userID,avg(weight) AS Weight

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE) - 1

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT (YEAR from CURRENT\_DATE)

group by userID

order by userID;

**WEEKLY\_REPORT:**

SELECT userID,avg(weight) AS Weight

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) > EXTRACT(DAY FROM CURRENT\_DATE) - 7 and

EXTRACT (DAY from DATE\_AEST) <= EXTRACT(DAY FROM CURRENT\_DATE)

and EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID

order by userID;

**DAILY\_REPORT:**

SELECT userID,avg(weight) AS Weight

FROM `sit-23t1-fit-data-pipe-ee8896e.fitness\_data.master\_data\_copy`

where EXTRACT (DAY from DATE\_AEST) = EXTRACT(DAY FROM CURRENT\_DATE) - 1 and

EXTRACT (MONTH from DATE\_AEST) = EXTRACT(MONTH FROM CURRENT\_DATE)

and EXTRACT (YEAR from DATE\_AEST) = EXTRACT(YEAR FROM CURRENT\_DATE)

group by userID,date\_AESt

order by userID;