**Question -1**

select dwu.user\_id,week(dwu.date\_time) as 'week',

round(avg(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'avg\_learning\_hrs\_bf\_challenge'

from day\_wise\_user\_learning\_activity dwu

join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id

where dwu.date\_time <'2022-09-12'

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

select dwu.user\_id,week(dwu.date\_time) as 'week',

round(avg(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'avg\_learning\_hrs\_during\_challenge'

from day\_wise\_user\_learning\_activity dwu

join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id

where dwu.date\_time BETWEEN '2022-09-12' and '2022-11-06'

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

**Question-2**

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT date(dwu.date\_time)) as 'active\_days',

round(count(DISTINCT date(dwu.date\_time))/7,2) as 'avg\_active\_days\_bf\_challenge'

from day\_wise\_user\_learning\_activity dwu

where dwu.date\_time < '2022-09-12'

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT date(dwu.date\_time)) as 'active\_days',

round(count(DISTINCT date(dwu.date\_time))/7,2) as 'avg\_active\_days\_during\_challenge'

from day\_wise\_user\_learning\_activity dwu

where dwu.date\_time BETWEEN '2022-09-12' and '2022-11-06'

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

**Question – 3**

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT lesson\_id) as 'No.\_of\_completed\_lessons\_bf\_challenge'

from day\_wise\_user\_learning\_activity dwu

where dwu.date\_time < '2022-09-12' and dwu.overall\_completion\_percentage = 100

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT lesson\_id) as 'No.\_of\_completed\_lessons\_during\_challenge'

from day\_wise\_user\_learning\_activity dwu

where dwu.date\_time BETWEEN '2022-09-12' and '2022-11-06'and dwu.overall\_completion\_percentage = 100

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id;

**Questio – 4**

select date(date\_time) as Date,dayname(date\_time) as 'WeekDay', count(distinct user\_id) as 'DAU\_bf\_challenge'

from day\_wise\_user\_learning\_activity

where date(date\_time) < '2022-09-12'

group by date(date\_time),dayname(date\_time);

select date(date\_time) as Date,dayname(date\_time) as 'WeekDay', count(distinct user\_id) as 'DAU\_during\_challenge'

from day\_wise\_user\_learning\_activity

where date(date\_time) between '2022-09-12' and '2022-11-06'

group by date(date\_time),dayname(date\_time);

select week(date\_time) as week, count(distinct user\_id) as 'WAU\_bf\_challenge'

from day\_wise\_user\_learning\_activity

where date(date\_time) < '2022-09-12'

group by week(date\_time);

select week(date\_time) as week, count(distinct user\_id) as 'WAU\_during\_challenge'

from day\_wise\_user\_learning\_activity

where date(date\_time) between '2022-09-12' and ‘2022-11-06’

group by week(date\_time);

**BF chl—**

**select dwu.user\_id,week(dwu.date\_time) as 'week',**

**count(DISTINCT dwu.lesson\_id) as 'No.\_of\_completed\_lessons\_bf\_challenge',**

**round(sum(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'Total\_learning\_hrs\_bf\_challenge'**

**from day\_wise\_user\_learning\_activity dwu**

**join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id**

**where dwu.date\_time < '2022-09-12' and dwu.overall\_completion\_percentage = 100**

**GROUP BY dwu.user\_id,week(dwu.date\_time)**

**ORDER BY dwu.user\_id;**

**During Chl ---**

**select dwu.user\_id,week(dwu.date\_time) as 'week',**

**count(DISTINCT dwu.lesson\_id) as 'No.\_of\_completed\_lessons\_during\_challenge',**

**round(sum(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'Total\_learning\_hrs\_during\_challenge'**

**from day\_wise\_user\_learning\_activity dwu**

**join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id**

**where dwu.date\_time BETWEEN '2022-09-12' and '2022-11-06'and dwu.overall\_completion\_percentage = 100**

**GROUP BY dwu.user\_id,week(dwu.date\_time)**

**ORDER BY dwu.user\_id;**

**Q6 answer new:**

**with cte as (**

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT dwu.lesson\_id) as 'No\_of\_completed\_lessons\_bf\_challenge',

round(sum(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'Total\_learning\_hrs\_bf\_challenge'

from day\_wise\_user\_learning\_activity dwu

join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id

where dwu.date\_time < '2022-09-12' and dwu.overall\_completion\_percentage = 100

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id)

Select week, count(user\_id) as 'users\_achieveing\_the\_goal\_bf\_chl'

from cte

where No\_of\_completed\_lessons\_bf\_challenge >= 5 and Total\_learning\_hrs\_bf\_challenge >=3.5

GROUP BY week;

**Q7 new**

with cte as (

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT dwu.lesson\_id) as 'No\_of\_completed\_lessons\_during\_challenge',

round(sum(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'Total\_learning\_hrs\_during\_challenge'

from day\_wise\_user\_learning\_activity dwu

join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id

where dwu.date\_time between '2022-09-12' and '2022-11-06' and dwu.overall\_completion\_percentage = 100

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id

),

cte\_2 as (

select user\_id, count(week) 'Times\_weekly\_goal\_achieved', round(sum(Total\_learning\_hrs\_during\_challenge),2) 'Leraning\_hrs\_completed'

from cte

where No\_of\_completed\_lessons\_during\_challenge >=5 and Total\_learning\_hrs\_during\_challenge >=3.5

group by user\_id

)

Select user\_id

from cte\_2

where Times\_weekly\_goal\_achieved >=5 and Leraning\_hrs\_completed > 20

order by Leraning\_hrs\_completed desc

limit 3;

**q8\_new**

with cte as (

select dwu.user\_id,week(dwu.date\_time) as 'week',

count(DISTINCT dwu.lesson\_id) as 'No\_of\_completed\_lessons\_during\_challenge',

round(sum(round(((dwu.day\_completion\_percentage\*(round((ld.lesson\_duration\_in\_mins/60),2)))/100),2)),2) as 'Total\_learning\_hrs\_during\_challenge'

from day\_wise\_user\_learning\_activity dwu

join lesson\_details ld on ld.lesson\_id = dwu.lesson\_id

where dwu.date\_time between '2022-09-12' and '2022-11-06' and dwu.overall\_completion\_percentage = 100

GROUP BY dwu.user\_id,week(dwu.date\_time)

ORDER BY dwu.user\_id

),

cte\_2 as (

select user\_id, count(week) 'Times\_weekly\_goal\_achieved', round(sum(Total\_learning\_hrs\_during\_challenge),2) 'Leraning\_hrs\_completed'

from cte

where No\_of\_completed\_lessons\_during\_challenge >=5 and Total\_learning\_hrs\_during\_challenge >=3.5

group by user\_id

)

Select user\_id, Times\_weekly\_goal\_achieved,Leraning\_hrs\_completed

from cte\_2

where Times\_weekly\_goal\_achieved >=5 and Leraning\_hrs\_completed > 20

-- order by Leraning\_hrs\_completed