select rtpt.route\_id,rt.name,sum(distance) as total\_distance

from rtpoints rtpt left join rt on rtpt.route\_id = rt.id group by route\_id,rt.name order by route\_id desc

Q7) ans ->

with t1 as

(select \*,dense\_rank() over (partition by station\_id order by stopid) as rn\_asc,

dense\_rank() over (partition by station\_id order by stopid desc) as rn\_desc

from routepoints)

, t2 as

(select station\_id as route\_id,stopid as source\_stop\_id from t1 where rn\_asc=1),

t3 as (select station\_id as route\_id,stopid as dest\_stop\_id from t1 where rn\_desc=1)

select t2.route\_id,t2.source\_stop\_id,t3.dest\_stop\_id from t2 join t3 on t2.route\_id=t3.route\_id

Q5) ans ->

select rtpt.route\_id,rt.name,sum(distance) as total\_distance

from rtpoints rtpt left join rt on rtpt.route\_id = rt.id group by route\_id,rt.name order by route\_id desc

Q6) ans ->

With Tab as

Select T1.station\_id ,T1.slot,T1.time,T2.station\_name from times T1 left join Station T2 on T1.id = T2.id

Select station\_id ,stationname,Time,slot from tab where slot=1 and time < 7 .45 order by time

Q10) ans -> 4

3

0

Explaination : in swap function we are passing object as values but inside it creating local reference of Dog and that’s why when swap function ends . its value not reflect in main function

In modify function , we are passing object as value so in main function its reflecting the changed value as 0.