1. Productivity & Performance

• Identify the top 3 most productive plots based on average yield per harvest. Show the

plot\_name, crop\_type, and average\_yield\_kg.

Answer:

select p.plot\_name, p.crop\_type, round(avg(yield\_kg),2) as average\_yield\_kg

from plots p

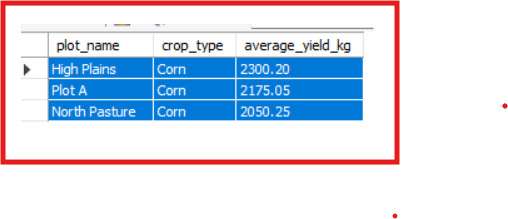
join yields y

on p.plot\_id=y.plot\_id

group by p.plot\_name, p.crop\_type

order by average\_yield\_kg desc

limit 3;



• Calculate the total water consumption for each plot and rank them from highest to

lowest. Show plot\_name and total\_water\_liters.\*/

Answer:

select p.plot\_name, sum(il.water\_amount\_liters) as total\_water\_liters

from plots p

join irrigation\_logs il

on p.plot\_id=il.plot\_id

group by p.plot\_name

order by total\_water\_liters desc;

