

Assignment: Problem - Part 2:

Write a single SQL query to return the top 5 states for 4 commodities (Potato, Onion, Wheat, tomato) – Output should contain 20 records only.

Solution:

```
select *  
  
from (  
  
select "Commodity" ,"State Name" ,  
  
rank() over(partition by "Commodity" order by sum("Arrivals (Tonnes)") desc) as rk  
  
from public.agmarket_monthly WHERE "Commodity" IN ('Onion', 'Potato', 'Wheat', 'Tomato')  
  
group by "Commodity" ,"State Name") rnk  
  
where rnk.rk <6;
```

ABC Commodity	ABC State Name	123 rk
Onion	Karnataka	1
Onion	Maharashtra	2
Onion	Andhra Pradesh	3
Onion	West Bengal	4
Onion	Bihar	5
Potato	Karnataka	1
Potato	Bihar	2
Potato	West Bengal	3
Potato	Andaman and Nicobar	4
Tomato	Karnataka	1
Tomato	Andhra Pradesh	2
Tomato	Bihar	3
Tomato	Maharashtra	4
Tomato	West Bengal	5
Wheat	Bihar	1
Wheat	Karnataka	2
Wheat	Maharashtra	3