**Day 8**

**Problem Statement:**

Write an SQL query to find the person\_name of the last person who will fit in the elevator without exceeding the weight limit.

It is guaranteed that the person who is first in the Queue can fit in the elevator

**Solution Code:**

/\*using ivy\_sql\_internship databasse\*/

use ivy\_sql\_internship;

/\*Creating Table Queue\*/

create table Queue(person\_id int primary key, person\_name varchar(100), weight int, turn int);

/\*inputing data into table Queue\*/

insert into queue(person\_id,person\_name,weight,turn)

values

(5,"George Washington",250,1),

(3,"John Adams",350,2),

(6,"Thomas Jefferson",400,3),

(2,"Will Johnliams",200,4),

(4,"Thomas Jefferson",175,5),

(1,"James Elephant",500,6)

;

/\*Write an SQL query to find the person\_name of the last person who will fit in the elevator without exceeding the weight limit.

It is guaranteed that the person who is first in the Queue can fit in the elevator\*/

select person\_name

from queue a

where (select sum(weight) from queue where a.turn >= turn) <= 1000

order by turn desc

limit 1

**Screenshot of the Code:**

