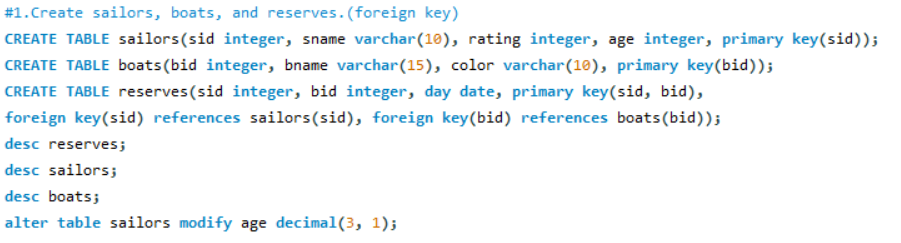
**EXPERIMENT 8**

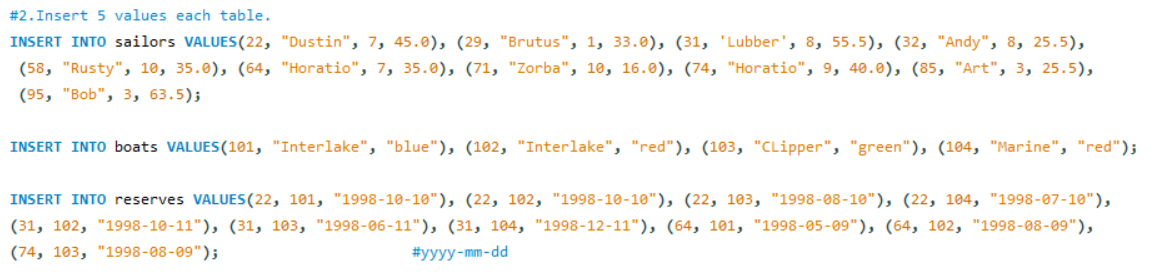
SAILOR BOAT DATABASE (DDL, DML, DQL, Subquery, Joins, Set operations)

**Aim:**

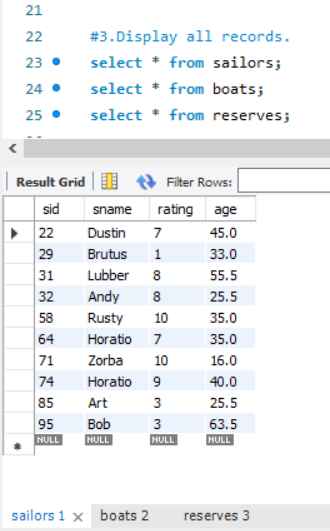
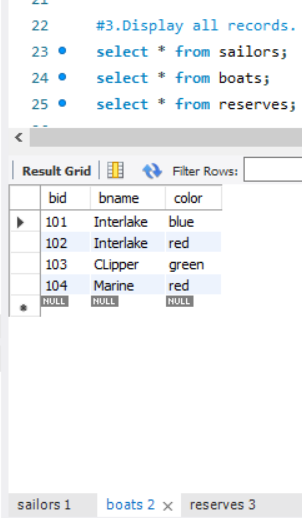
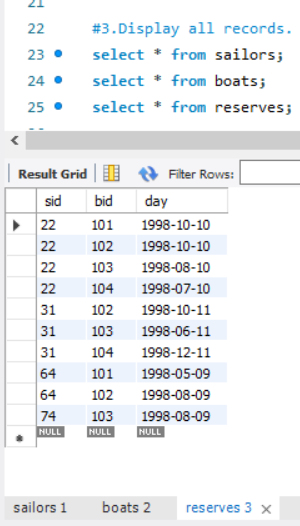
* Create sailors, boats, and reserves.(foreign key)

****

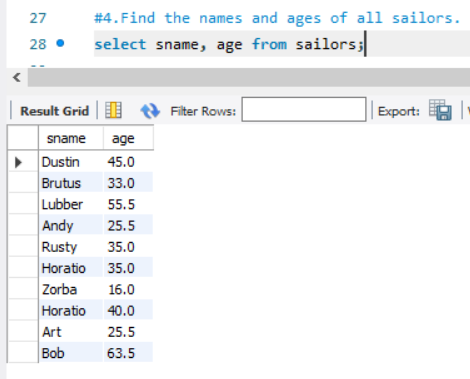
* Insert 5 values each table.

****

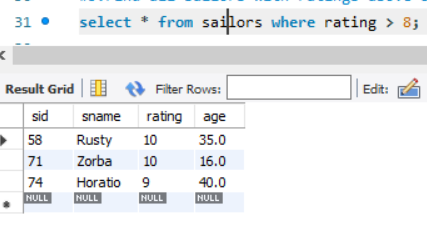
* Display all records.

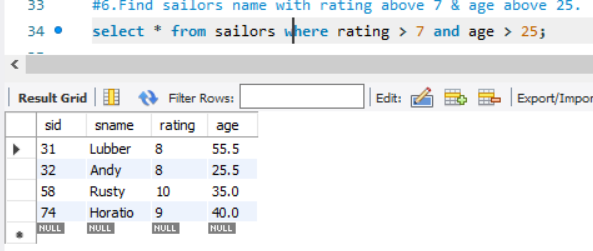
* Find the names and ages of all sailors.



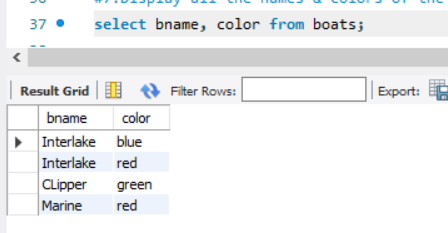
* Find all sailors with ratings above 8.



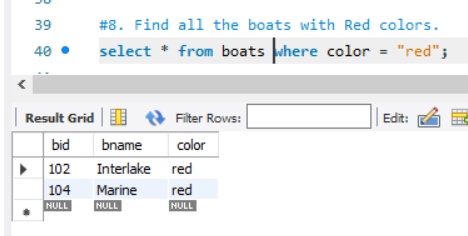
* Find sailors name with rating above 7 & age above 25.



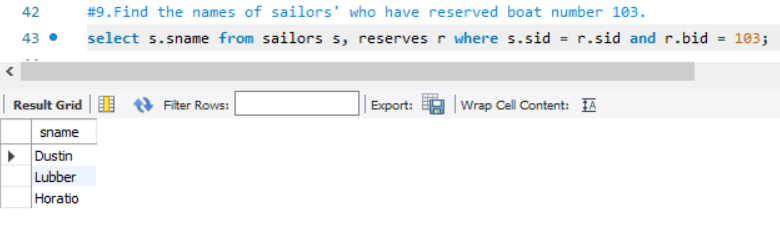
* Display all the names & colors of the boats.



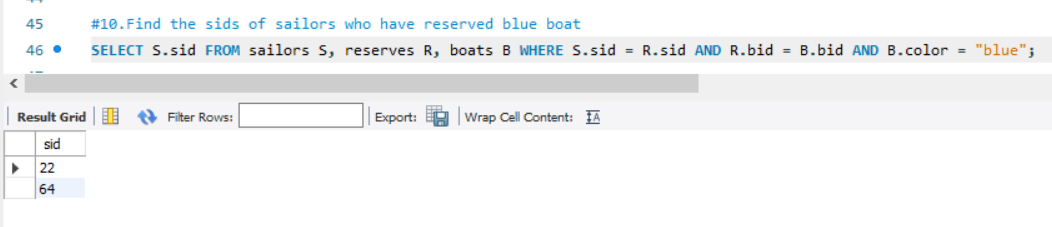
* Find all the boats with Red colors.



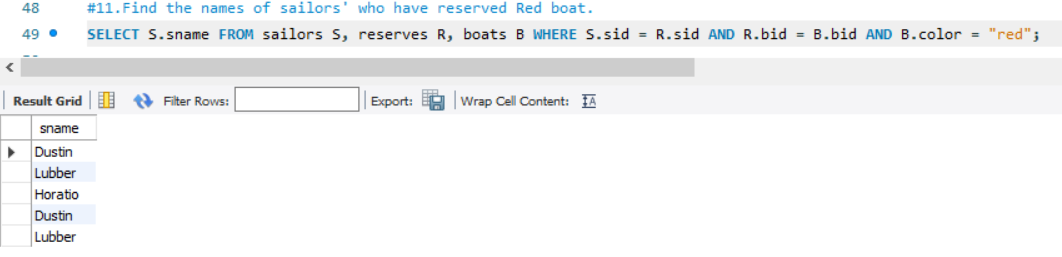
* Find the names of sailors' who have reserved boat number 103.



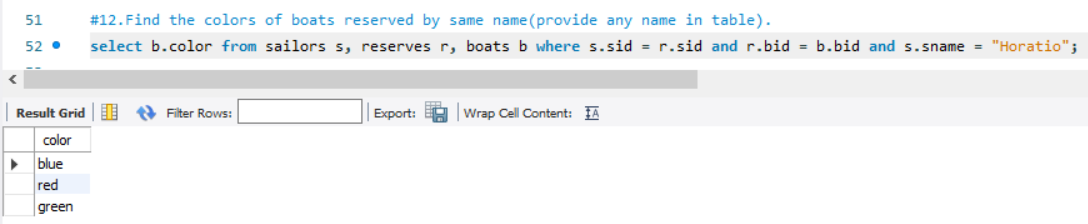
* Find the sids of sailors who have reserved blue boat



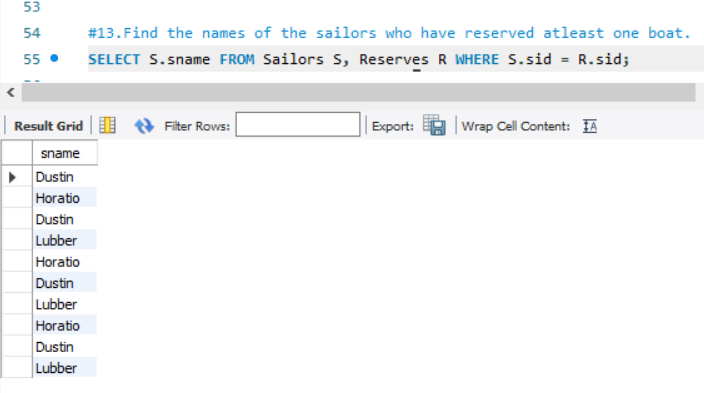
* Find the names of sailors' who have reserved Red boat.



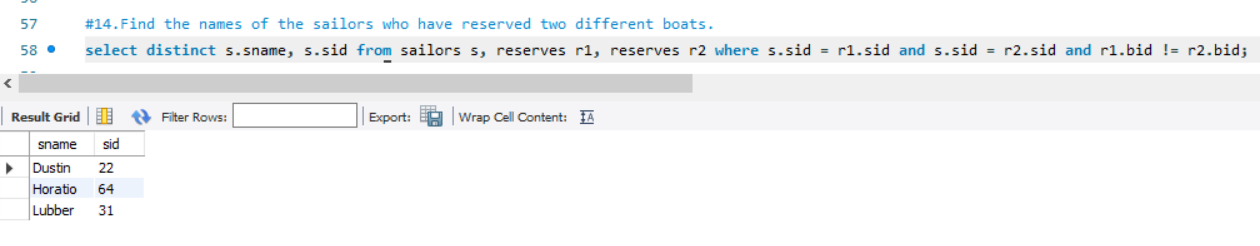
* Find the colours of boats reserved by some name(provide any name in table).



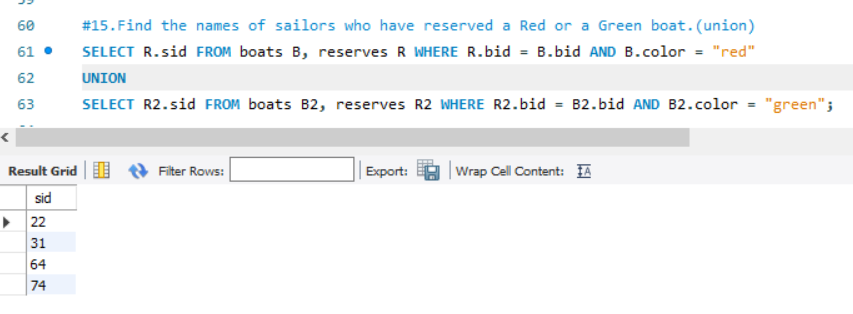
* Find the names of the sailors who have reserved at least one boat.



* Find the names of the sailors who have reserved two different boats.



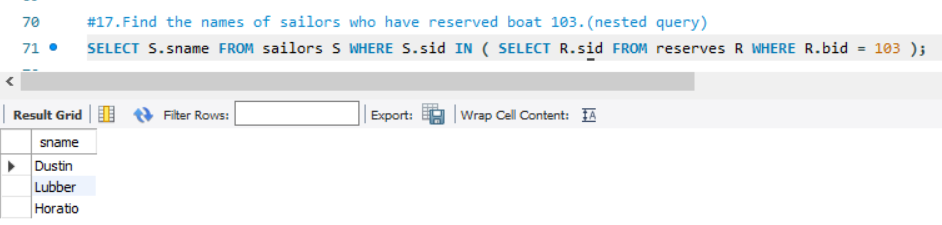
* Find the names of sailors who have reserved a Red or a Green boat.(union).



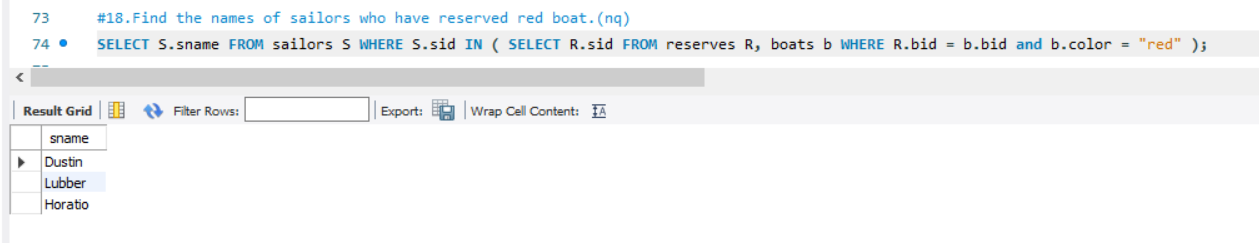
* Find the names of sailors who have reserved both a Red and a Green boat.



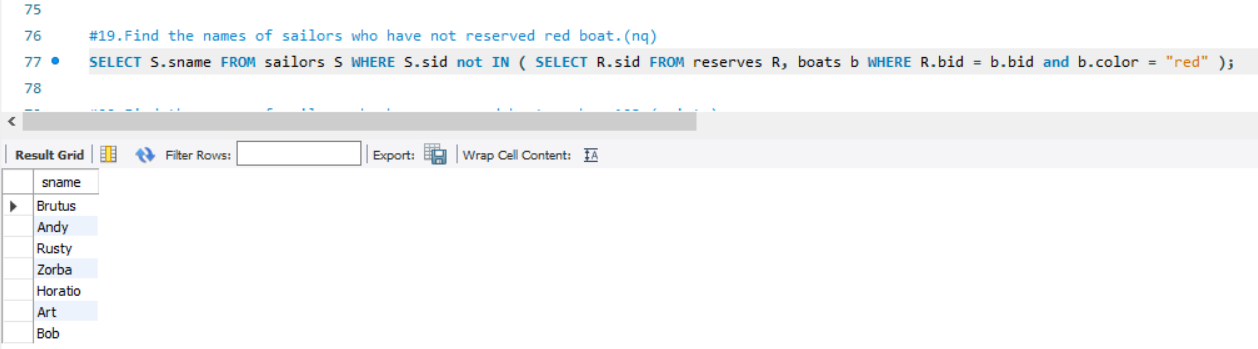
* Find the names of sailors who have reserved boat 103.(nested query).



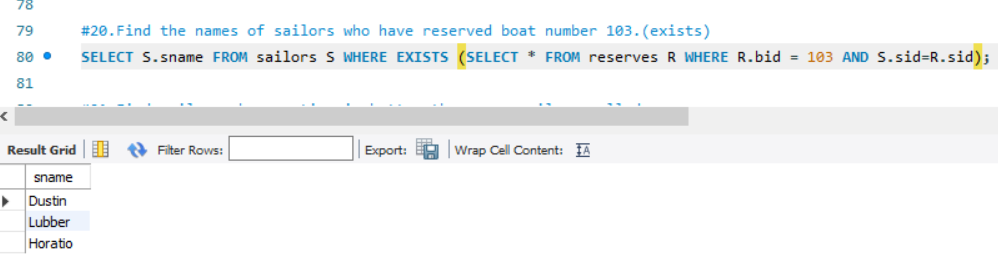
* Find the names of sailors who have reserved red boat.(nq)



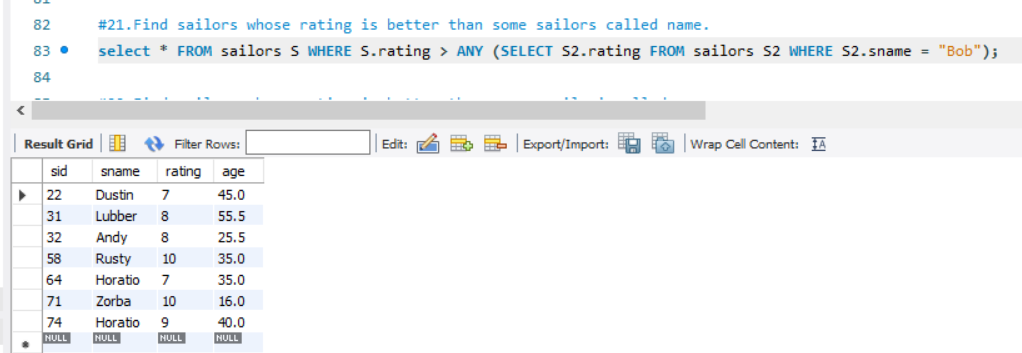
* Find the names of sailors who have not reserved red boat.(nq)



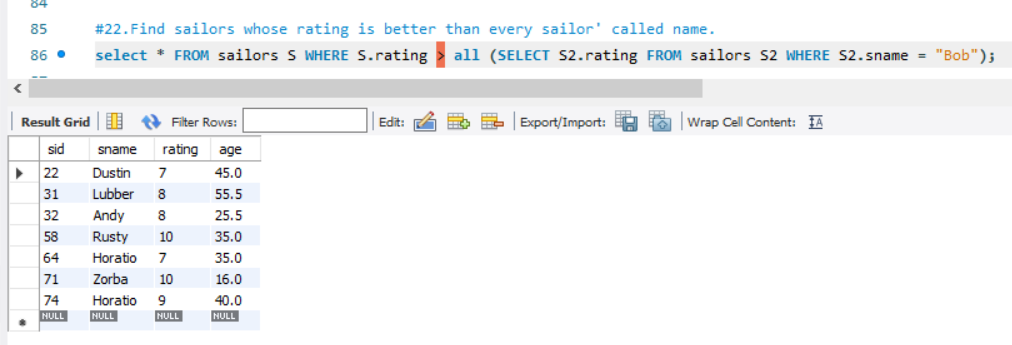
* Find the names of sailors who have reserved boat number 103.(exists)



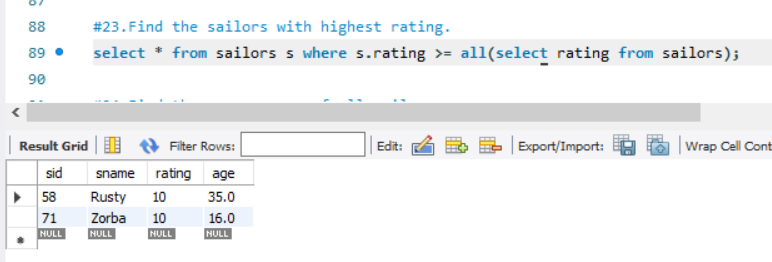
* Find sailors whose rating is better than some sailors called name.



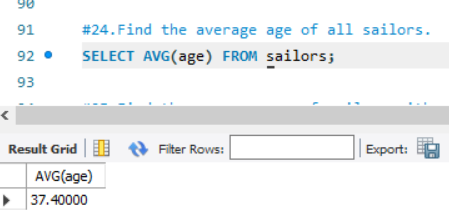
* Find sailors whose rating is better than every sailor' called name.



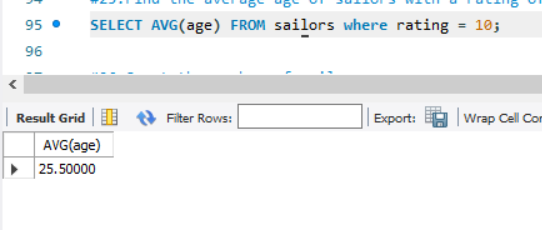
* Find the sailors with highest rating.



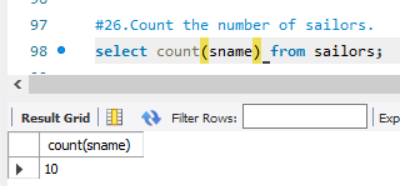
* Find the average age of all sailors.



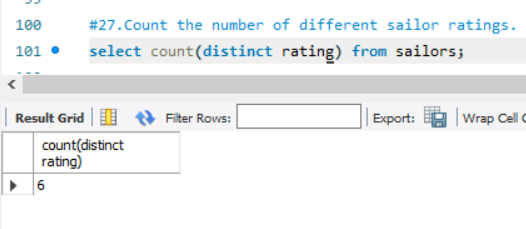
* Find the average age of sailors with a rating of 10.



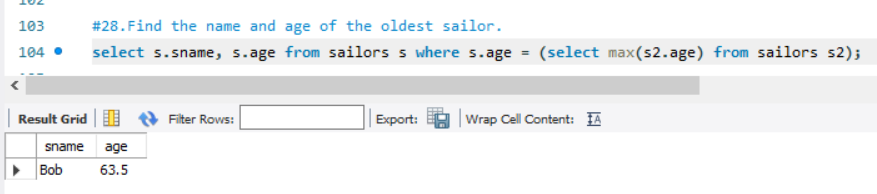
* Count the number of sailors.



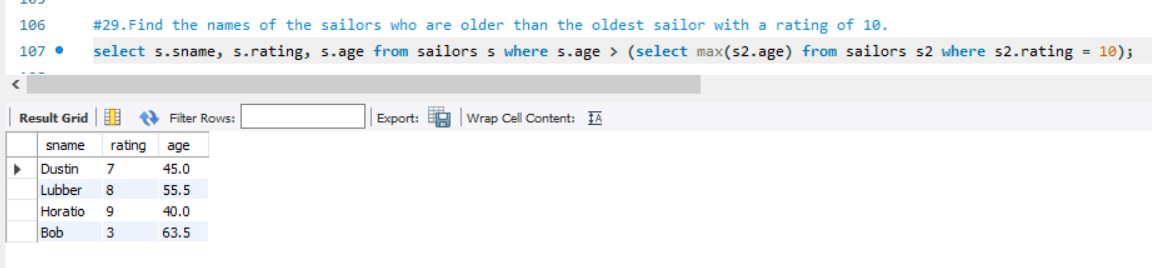
* Count the number of different sailor ratings.



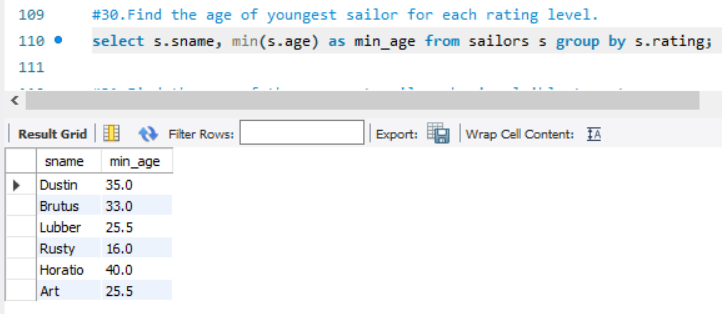
* Find the name and age of the oldest sailor.



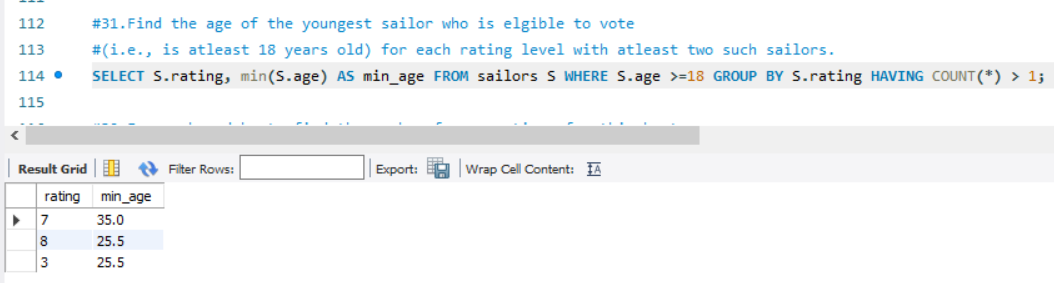
* Find the names of the sailors who are older than the oldest sailor with a rating of 10.



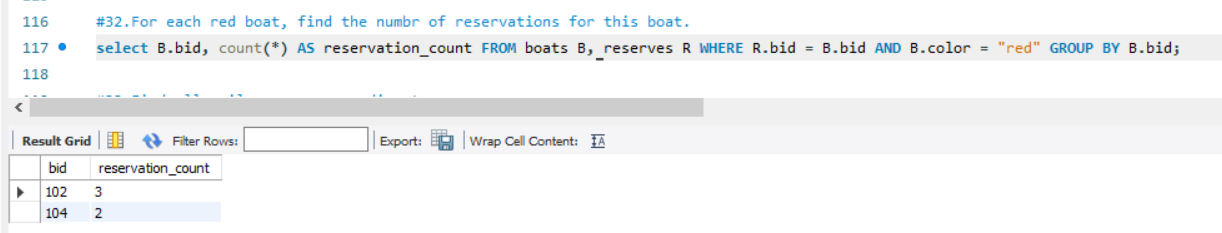
* Find the age of youngest sailor for each rating level.



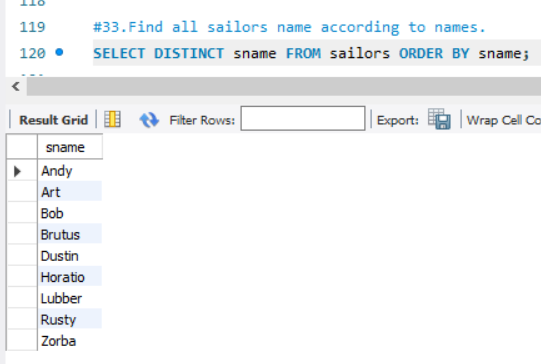
* Find the age of the youngest sailor who is eligible to vote (i.e., is at least 18 years old) for each rating level with at least two such sailors.



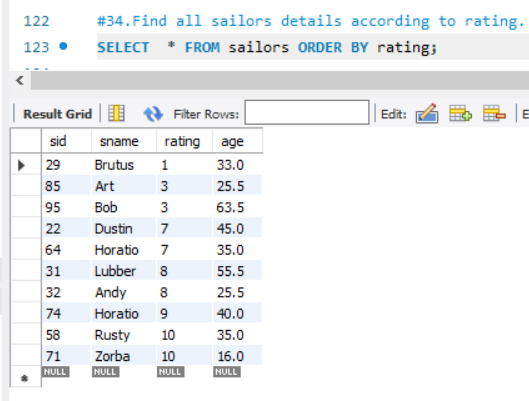
* For each red boat, find the number of reservations for this boat.



* Find all sailors name according to names.



* Find all sailors details according to rating.



* Find all sailors details according to rating(highest first) if ratings are same then according to age(youngest first).

