

A1- SELECT DISTINCT S.sid FROM Sailors S, Reserves R WHERE S.sid = R.sid ORDER BY S.sid;	A2- SELECT DISTINCT S.sid FROM Sailors S, Reserves R, Boats B WHERE S.sid = R.sid AND R.bid = B.bid AND (B.color = 'green' OR B.color = 'red') ORDER BY S.sid;
A3- SELECT DISTINCT S.sid FROM Sailors S, Reserves R, Boats B WHERE S.sid = R.sid AND R.bid = B.bid AND B.color = 'red' INTERSECT SELECT DISTINCT S.sid FROM Sailors S, Reserves R, Boats B WHERE S.sid = R.sid AND R.bid = B.bid AND B.color = 'green' ORDER BY S.sid;	A4- SELECT DISTINCT S2.sname FROM Sailors S2 WHERE S2.sid IN(SELECT DISTINCT S.sid FROM Sailors S, Reserves R, Boats B WHERE S.sid = R.sid AND R.bid = B.bid AND B.color = 'red') INTERSECT SELECT DISTINCT S1.sid FROM Sailors S1, Reserves R1, Boats B1 WHERE S1.sid = R1.sid AND R1.bid = B1.bid AND B1.color = 'green') ORDER BY S2.sname;
A5- SELECT DISTINCT S.sname FROM Sailors S, Reserves R WHERE S.sid = R.sid AND R.bid = 103 ORDER BY S.sname;	A6- SELECT DISTINCT S.sid, S.sname, S.rating, S.age FROM Sailors S WHERE S.rating > (SELECT DISTINCT MIN(S1.rating) FROM Sailors S1 WHERE S1.sname = 'Horatio'); ORDER BY S.sid, S.sname, S.rating, S.age;
A7- SELECT DISTINCT S.sid, S.sname, S.rating, S.age FROM Sailors S WHERE S.rating > (SELECT DISTINCT MAX(S1.rating) FROM Sailors S1 WHERE S1.sname = 'Horatio'); ORDER BY S.sid, S.sname, S.rating, S.age;	A8- SELECT DISTINCT * FROM Sailors S WHERE S.rating = (SELECT DISTINCT MAX(S1.rating) FROM Sailors S1);
A9- SELECT DISTINCT S.sname FROM Sailors S WHERE NOT EXISTS (SELECT B.bid FROM Boats B EXCEPT SELECT R.bid FROM Reserves R WHERE R.sid = S.sid) ORDER BY S.sname;	A10- SELECT S.sname, S.age FROM Sailors S WHERE S.age = (SELECT MAX(S1.age) FROM Sailors S1) ORDER BY S.sname, S.age;

A11- SELECT S2.rating, MIN(S2.age) FROM Sailors S2, Sailors S3 WHERE S2.rating = S3.rating AND S2.sid <> S3.sid AND S2.age >= 18 AND S3.age >= 18 GROUP BY S2.rating ORDER BY S2.rating, S2.age;	***** SELECT S.rating, MIN (S.age) FROM Sailors S WHERE S.age >= 18 GROUP BY S.rating HAVING COUNT (*) > 1 order by S.rating, S.age; *****
A12- SELECT B.bid, COUNT (*) AS rcount FROM Reserves R, Boats B WHERE B.color = 'red' AND R.bid = B.bid GROUP BY B.bid ORDER BY B.bid , rcount;	***** SELECT B.bid, COUNT (*) AS scout FROM Sailors S, Boats B, Reserves R WHERE S.sid=R.sid AND R.bid=B.bid AND B.color='red' GROUP BY B.bid ORDER BY b.bid, scout; *****
A13- SELECT S2.rating, MIN(S2.age) FROM Sailors S2, Sailors S3 WHERE S2.rating = S3.rating AND S2.sid <> S3.sid AND S2.age >= 18 GROUP BY S2.rating ORDER BY S2.rating, S2.age;	***** SELECT S.rating, MIN (S.age) FROM Sailors S WHERE S.age >= 18 GROUP BY S.rating HAVING 1 < (SELECT COUNT (*) FROM Sailors S2 WHERE S.rating=S2.rating) ORDER BY S.rating, MIN (S.age); *****
A14 - ??? SELECT S.rating , AVG(S.age) FROM Sailors S GROUP BY S.rating HAVING AVG(age) = (SELECT MIN (avgage) FROM (SELECT AVG(S.age) AS avgage FROM Sailors S GROUP BY S.rating)) ORDER BY rating, AVG(age);	

