A1-	A2-		
SELECT DISTINCT S.sid	SELECT DISTINCT S.sid		
FROM Sailors S, Reserves R	FROM Sailors S, Reserves R, Boats B		
WHERE S.sid = R.sid	WHERE S.sid = R.sid		
ORDER BY S.sid;	AND R.bid = B.bid		
	AND (B.color = 'green' OR B.color = 'red')		
	ORDER BY S.sid;		
A3-	A4-		
SELECT DISTINCT S.sid	SELECT DISTINCT S2.sname		
FROM Sailors S, Reserves R, Boats B	FROM Sailors S2		
WHERE S.sid = R.sid	WHERE S2.sid IN(SELECT DISTINCT S.sid		
AND R.bid = B.bid	FROM Sailors S, Reserves R, Boats B		
AND B.color = 'red'	WHERE S.sid = R.sid		
INTERSECT	AND R.bid = B.bid		
SELECT DISTINCT S.sid	AND B.color = 'red'		
FROM Sailors S, Reserves R, Boats B	INTERSECT		
WHERE S.sid = R.sid	SELECT DISTINCT S1.sid		
AND R.bid = B.bid	FROM Sailors S1, Reserves R1, Boats B1		
AND B.color = 'green'	WHERE S1.sid = R1.sid		
ORDER BY S.sid;	AND R1.bid = B1.bid		
	AND B1.color = 'green')		
	ORDER BY S2.sname;		
A5-	A6-		
SELECT DISTINCT S.sname	SELECT DISTINCT S.sid, S.sname, S.rating, S.age		
FROM Sailors S, Reserves R	FROM Sailors S		
WHERE S.sid = R.sid AND R.bid = 103	WHERE S.rating > ( SELECT DISTINCT MIN(S1.rating)		
ORDER BY S.sname;	FROM Sailors S1		
	WHERE S1.sname = 'Horatio');		
	ORDER BY S.sid, S.sname, S.rating, S.age;		
A7-	A8-		
SELECT DISTINCT S.sid, S.sname, S.rating, S.age	SELECT DISTINCT *		
FROM Sailors S	FROM Sailors S		
WHERE S.rating > ( SELECT DISTINCT MAX(S1.rating)	WHERE S.rating = ( SELECT DISTINCT MAX(S1.rating)		
FROM Sailors S1	FROM Sailors S1);		
WHERE S1.sname = 'Horatio');			
ORDER BY S.sid, S.sname, S.rating, S.age;			
А9-	A10-		
SELECT DISTINCT S.sname	SELECT S.sname, S.age		
FROM Sailors S	FROM Sailors S		
WHERE NOT EXISTS ( SELECT B.bid	WHERE S.age = ( SELECT MAX(S1.age)		
FROM Boats B	FROM Sailors S1)		
EXCEPT	ORDER BY S.sname, S.age;		
SELECT R.bid			
FROM Reserves R			
WHERE R.sid = S.sid)			
ORDER BY S.sname;			

A11	*****		
A11-			
SELECT S2.rating, MIN(S2.age) FROM Sailors S2, Sailors S3	SELECT S.rating, MIN (S.age)		
WHERE S2.rating = S3.rating	FROM Sailors S  WHERE S.age >= 18  GROUP BY S.rating		
AND S2.sid <> S3.sid			
AND S2.age >= 18 AND S3.age >= 18	HAVING COUNT (*) > 1		
GROUP BY S2.rating	order by S.rating, S.age;		
ORDER BY S2.rating, S2.age;	*******		
ONDER BY 32.1dtillg, 32.dge,			
A12-	*****		
SELECT B.bid, COUNT (*) AS rcount	SELECT B.bid, COUNT (*) AS scount		
FROM Reserves R, Boats B	FROM Sailors S, Boats B, Reserves R		
WHERE B.color = 'red' AND R.bid = B.bid	WHERE S.sid=R.sid AND R.bid=B.bid AND B.color='red'		
GROUP BY B.bid	GROUP BY B.bid		
ORDER BY B.bid , rcount;	ORDER BY b.bid, scount;		
	*****		
A13-	*****		
SELECT S2.rating, MIN(S2.age)	SELECT S.rating, MIN (S.age)		
FROM Sailors S2, Sailors S3	FROM Sailors S		
WHERE S2.rating = S3.rating	WHERE S.age >= 18		
AND S2.sid <> S3.sid	GROUP BY S.rating HAVING 1 < (SELECT COUNT (*)		
AND S2.age >= 18	FROM Sailors S2		
GROUP BY S2.rating	WHERE S.rating=S2.rating )		
ORDER BY S2.rating, S2.age;	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);			