Meagin Arrocha

HW5

1.

CREATE VIEW LargeSlip AS

SELECT MarinaNum, SlipNum, RentalFee, BoatName, OwnerNum

FROM MarinaSlip

WHERE Length=40;

| **Query1** | | | | |
| --- | --- | --- | --- | --- |
| **MarinaNum** | **SlipNum** | **RentalFee** | **BoatName** | **OwnerNum** |
| 1 | A1 | $3,800.00 | Anderson II | AN75 |
| 1 | A2 | $3,800.00 | Our Toy | EL25 |
| 1 | A3 | $3,600.00 | Escape | KE22 |
| 2 | 5 | $4,200.00 | Axxon II | NO27 |
| 2 | 6 | $4,200.00 | Karvel | TR72 |

3.

CREATE VIEW TypesOfBoats AS

SELECT BoatType, Count(BoatType) AS CountOfBoatTypes

FROM MarinaSlip

GROUP BY BoatType

;

| **Query1** | |
| --- | --- |
| **BoatType** | **CountOfBoatTypes** |
| Dolphin 22 | 1 |
| Dolphin 25 | 2 |
| Dolphin 28 | 2 |
| Dolphin 40 | 1 |
| Ray 4025 | 2 |
| Sprite 3000 | 1 |
| Sprite 4000 | 2 |

4.

a) CREATE INDEX BoatIndex

ON MarinaSlip(BoatName)

;

b) CREATE INDEX BoatIndex2

ON MarinaSlip(OwnerNumber)

;

c) CREATE INDEX BoatIndex3

ON MarinaSlip(Length DESC, BoatName)

;

6. CHECK(RentalFee<5000 AND Length IN (25, 30, 40));

8. ALTER TABLE MarinaSlip

ADD FeePaid CHAR(1);

UPDATE MarinaSlip

SET FeePaid = "Y";