**set operations**

SELECT EPISODE, TITLE, BARN, BEACH FROM bobross

UNION

SELECT BOAT, BRIDGE, BUILDING, CLIFF FROM mynewtable;

Graphical user interface, text, application, email

Description automatically generated

**SUBQUERIES:**

**I used the Select to bring everything in from EPISODE and Bushes to see what EPISODES contained bushes greater than or equal to 1.**

USE bobross;

SELECT EPISODE, BUSHES FROM bobross

WHERE BUSHES >= 1;

Graphical user interface, text, application

Description automatically generated

**order of operation of queries**

**I used the TITLE, EPISODE and BEACHES to select titles and episodes that contained beaches equal to 1.**

SELECT TITLE, EPISODE, BEACH

FROM bobross

WHERE BEACH = 1

ORDER BY TITLE ASC;

Graphical user interface, text, application

Description automatically generated

**creating, altering, and dropping tables**

**I simply used the Alter table to add a column in after Portrait.**

ALTER TABLE bobross

ADD RESORT varchar(45) NOT NULL

AFTER PORTRAIT;

Graphical user interface, text, application

Description automatically generated

**associations**

ALTER TABLE bobross ADD COLUMN ID INT PRIMARY KEY NOT NULL AUTO\_INCREMENT;

ALTER TABLE mynewtable ADD COLUMN ID INT NOT NULL AUTO\_INCREMENT PRIMARY KEY;

ALTER TABLE mynewtable MODIFY ID INT NOT NULL;

ALTER TABLE mynewtable DROP PRIMARY KEY;

ALTER TABLE mynewtable

ADD FOREIGN KEY (ID) REFERENCES bobross(ID);

**Text, email

Description automatically generated**

**joins and multiple table joins**

SELECT bobross.BARN, mynewtable.BEACH FROM bobross

JOIN mynewtable

ON mynewtable.ID = bobross.ID

WHERE mynewtable.TREE = 1;

Graphical user interface, text, application

Description automatically generated