Class Exercise 1

Create the following tables and insert the following values

charms_class

student_name	charms_grade
Harry	C
Ron	D
Hermione	A
Luna	B
Neville	B

potions_class

student_name	potions_grade
Harry	A
Ron	C
Hermione	B
Ginny	A
Draco	D

An attack on Hogwarts was detected, only students enrolled in potions and charm class are allowed to aid the defense

- How do I retrieve the following students?

student_name	charms_grade	potions_grade
Harry	C	A
Ron	D	C
Hermione	A	B

- Add a condition and retrieve the student with an A grade

The minister of magic wants a list of all students who are enrolled in either the charm or potion class

student_name	charms_grade	potions_grade
Harry	C	A
Ron	D	C
Hermione	A	B
Ginny	NULL	A
Draco	NULL	D
Luna	B	NULL
Neville	B	NULL

Retrieve the grades of students who are in charm class and include students who are not in the potions class

student_name	charms_grade	potions_grade
Harry	C	A
Ron	D	C
Hermione	A	B
Luna	B	NULL
Neville	B	NULL

Retrieve the grades of students who are in potion class and include students who are not in the charm class

student_name	charms_grade	potions_grade
Harry	C	A
Ron	D	C
Hermione	A	B
Ginny	NULL	A
Draco	NULL	D

Using a union operator display all student names in both table

STUDENT_NAME
Draco
Ginny
Harry
Hermione
Luna
Neville
Ron

Display students that are in potions and charms class. Use a set operator.

STUDENT_NAME
Harry
Hermione
Ron

Display the students who are not in the charms class. Use a set operator

STUDENT_NAME
Draco
Ginny