- 1. Introduction: UNION, UNION ALL, On Delete, Triggers, Date and Time
- 2. Set Operation : Non-repeated, sorted(not mandatory always).
 Operations :

UNION →

$$\frac{\text{UNION}}{A} = \{1, 2, 3, 4\}$$

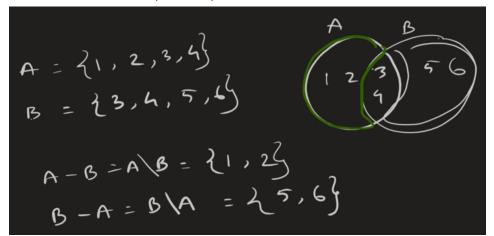
$$B = \{5, 6, 7, 8\}$$

$$A \text{ UNION B}$$

$$A \text{ UB} = \{1, 2, 3, 4\}, 5, 6, 7, 8\}$$

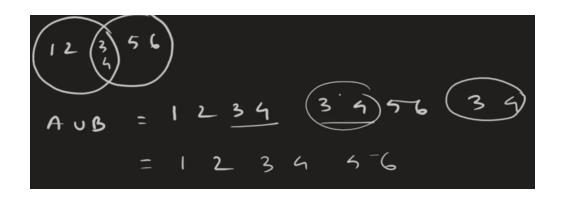
$$= \{1, 2, 3, 4, 5, 6, 7, 7, 8\}$$

$$A - B = A \setminus B = A - (A \cap B)$$



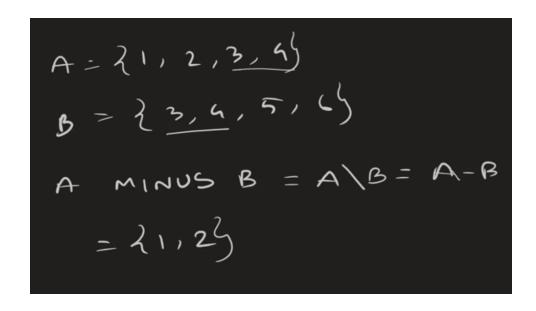
3. Set Operations Syntax: UNION, UNION ALL, MINUS etc.

UNION: \rightarrow A U B = A + B - A \cap B. **Discarding duplicates**.



UNION ALL: \rightarrow A U B = A + B. With duplicates. No discarding

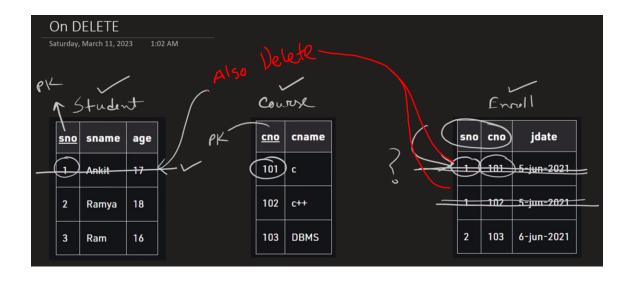
 $\textbf{MINUS:} \rightarrow$



Syntax: Column/Field Name will be the first SELECT's name. Two SELECT Statement's column/field count **MUST BE THE SAME** in number,

SELECT roll
FROM Student
UNION / UNION ALL / MINUS
SELECT id
FROM Teacher;

4. ON DELETE CASCADE : record deleted from main table will also delete its related tables.



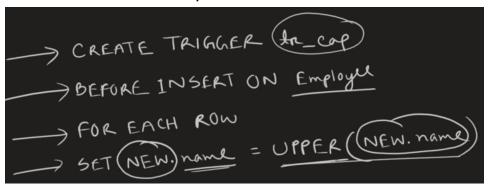
Syntax:

FOREIGN KEY (cno)

REFERENCES Course(cno)

ON DELETE CASECADE

5. TRIGGER: Alert / Prompt



6. Date and Time:

```
□ □ □ | \( \frac{\psi}{2} \) \( \frac{\psi}{2} \) \( \Q \) \(\
   1 • SELECT DAYOFMONTH('2001-11-01'), MONTH('2005-10-00');
   2 • SELECT ADDDATE('2008-01-02', 31);
   3 • SELECT ADDTIME('2007-12-31 23:59:59.999999', '1 1:1:1.0000002');
   4 • SELECT CONVERT_TZ('2004-01-01 12:00:00', 'GMT', 'MET');
   5 • SELECT CONVERT_TZ('2004-01-01 12:00:00','+00:00','+10:00');
   6 • SELECT CURDATE();
   7 • SELECT CURTIME();
   8 • SELECT CURTIME(3);
   9 • SELECT DATE('2003-12-31 01:02:03');
  28 • SELECT DATEDIFF('2007-12-31 23:59:59','2007-12-30');
  29 • SELECT DATEDIFF('2010-11-30 23:59:59','2010-12-31');
  30 · SELECT DATE_ADD('2018-05-01', INTERVAL 1 DAY);
  31 · SELECT DATE_SUB('2018-05-01', INTERVAL 1 YEAR);
  32 • SELECT DATE_FORMAT('2009-10-04 22:23:00', '%W %M %Y');
36 • SELECT DATE_FORMAT('2009-10-04 22:23:00', '%W %M %Y');
37 • SELECT DATE_FORMAT('2007-10-04 22:23:00', '%H:%i:%s');
38 • SELECT DATE_FORMAT('1900-10-04 22:23:00', '%D %y %a %d %m %b %j');
39 • SELECT DAYOFMONTH('2007-02-03');
40 • SELECT DAYOFWEEK('2007-02-03');
41 • SELECT DATE_FORMAT('2003-10-03',GET_FORMAT(DATE, 'EUR'));
```

7. Summary