SQL Learning



Nithish Gowda

**Set Operators   
  
operators description**

**UNION combines result, removes duplicate**

**UNION ALL combines result, keeps duplicate**

**INTERSECT return common result**

**EXCEPT return result in first,not second.**

**create table student\_2023(**

**student\_id int primary key,**

**student\_name varchar(100),**

**course varchar(50)**

**);**

**insert into student\_2023 (student\_id,student\_name,course)**

**values**

**('1','aarva ','computer science'),**

**('2','ishitha','mechanical engineering'),**

**('3','kabir','electronics'),**

**('4','ananya','civil engineering'),**

**('5','rahul','computer science');**

**select \* from student\_2023;**

**create table student\_2024(**

**student\_id int primary key,**

**student\_name varchar(100),**

**course varchar(50)**

**);**

**insert into student\_2024 (student\_id,student\_name,course)**

**values**

**('3','kabir','electronics'), --same as student\_2023**

**('4','ananya','civil engineering'),--same as student\_2023**

**('6','meera','computer science'),**

**('7','vikram','maths'),**

**('8','sanya','physics')**

**;**

**select \* from student\_2024;**

**---union---combines result, removes duplicate------**

**select student\_name,course from student\_2023**

**union**

**select student\_name,course from student\_2024;**

**---UNION ALl-- combines result ,keep duplicate----**

**select student\_name,course from student\_2023**

**union all**

**select student\_name,course from student\_2024;**

**---intersect-- returns common result in both tables--**

**select student\_name,course from student\_2023**

**intersect**

**select student\_name,course from student\_2024;**

**---except---returns results in the first table but not in the second-----**

**select student\_name,course from student\_2023**

**except**

**select student\_name,course from student\_2024;**