#### ADEMIR AVILA

[w3schools.com/sql/sql\_join\_inner.asp](https://www.w3schools.com/sql/sql_join_inner.asp)

ATIVIDADE A1 - MODELO FÍSICO



1. Escreva o comando usado para criar a tabela TURMA, lembrando que não pode haver duplicidade de nome de turma.

CREATE TABLE TURMA

(CD\_TURMA INT INDENTITY(1,1) NOT NULL,

NM\_TURMA VARCHAR(50) NULL,

VL\_ANO\_LETIVO INT NULL,

VL\_SEMESTRE INT NULL,

CD\_CURSO INT NOT NULL

CONSTRAINT PK\_TURMA PRIMARY KEY (CD\_TURMA)

CONSTRAINT FK\_CURSO FOREIGN KEY(CD\_CURSO) REFERENCES CURSO(CD\_CURSO)

1. Insira os dados do aluno: DIOGO PERES, RA 2741, Cd\_Turma = 1.

INSERT INTO ALUNO (NM\_ALUNO,VL\_RA,CD\_TURMA) VALUES (“DIEGO PERES”, RA 2741 , 1)

1. Os dados da disciplina cujo Cd\_Disciplina e 5 está com o nome Incompleto, Engenharia, deve ser Engenharia de Software I, monte o comando para atualizar tal registro.

UPDATE TURMA\_DISCIPLINA

SET NOME\_DISCIPLINA = ENGENHARIA DE SOFTWARE I

WHERE CD\_DISCIPLINA = '5'

1. O professor Black sai da FMU, desta forma fazer a exclusão desse dado.

DELETE FROM PROFESSOR

WHERE NM\_PROFESSOR = "BLACK

1. Exibir todos os dados da Tabela Curso em ordem de Nm\_Curso.

SELECT \* FROM CURSO

ORDER BY NM\_CURSO ASC

1. Lista os Alunos e suas Turmas, classificando por Nm\_Turma e RA, onde o RA deve ser do maior para o menor.

SELECT\*FROM ALUNO

ORDER BY VL\_RA ASC

1. Quais Professores estão lecionando neste Ano e Semestre Letivos.

SELECT\*FROM PROFESSOR, TURMA WHERE TURMA\_PROFESSOR.CD\_TURA=TURMA.CD\_TURMA

1. Quais Disciplinas as Professoras Angela e Alessadra lecionam ou lecionaram?

SELECT \* FROM PROFESSOR,DISCIPLINA AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

WHERE NM\_PROFESSOR="ANGELA","ALESSANDRA"

1. No Curso de ADS quais são as Disciplinas que o compõem

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_CURSO=(“ADS”)

ORDER BY NM\_DISCIPLINAS ASC

1. Quais alunos têm RA maior igual a 1155 e menor igual a 1200? Em ordem de Nm\_Aluno.

SELECT \* FROM PROFESSOR,DISCIPLINA,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON TD.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

WHERE VL\_RA = 1155 <= 1200

ORDER BY NM\_ALUNO ASC

1. Quais alunos têm RA menor igual a 1155 e menor igual a 1200? Em ordem de RA do menor para o maior RA.

SELECT \* FROM PROFESSOR,DISCIPLINA,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON TD.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

WHERE VL\_RA BETWEEN 1 AND 1155 ,BETWEEB 1156 AND 1200

ORDER BY NM\_ALUNO ASC

1. Dos Cursos de BSI, BCC e ADS, quem são os Professores, Turmas, Disciplinas e Alunos que os compõem, porém somente as Disciplinas que o Profs. Ariel e Romulo lecionam. Ordenar por Nm\_Professor e Nm\_Turma.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_CURSO =("BSI","BCC",”ADS”)and

WHERE NM\_PROFESSOR = (“ARIEL”,”ROMULO”)

ORDER BY NM\_PROFESSOR AND NM\_TURMA ASC

1. As Disciplinas de Matemática e Lógica são oferecidas em quais Cursos, em ordem de Nm\_Curso e Nm\_Disciplina.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_DISCIPLINA =("MATEMATICA","LÓGICA")

ORDER BY NM\_CURSO AND NM\_DISCIPLINA ASC

1. A Turma 048203a16 pertence a qual Curso e que Professores estão vinculados a tal Turma, por ordem de Z para A no Nm\_Professor?

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_TURMA =(048203ª16 )

ORDER BY NM\_PROFESSOR DESC

1. Sabemos dos dados das Disciplinas de Lógica e Comunicação, porém precisamos saber quais são as demais Disciplinas dos Curso de Jogos e ADS, sem exibir os dados das Disciplinas de Lógica e Comunicação em ordem de Nm\_Disciplina.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_CURSO=(”LOGICA E COMUNICAÇÃO”)

ORDER BY NM\_DISCIPLINAS ASC

1. Na Disciplina de Banco de Dados I, quais foram os Alunos que estudaram em 2019 no segundo semestre. Ordena por RA do maior para o menor

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_DISCIPLINA =("BANCO DE DADOS I") AND WHERE VL\_ANO\_LETIVO=2019 AND WHERE VL\_SEMESTRE\_LETIVO=2

ORDER BY VL\_RA DESC

1. Quais Professores nunca lecionaram Comunicação e Redes? Ordenar por Nm\_Disciplina e Nm\_Professor.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE VL\_CARGA\_HORARIA = 0

ORDER BY NM\_DISICPLINA AND NM\_PROFESSOR

1. Os Alunos Julia, Mario e Gloria estudam em qual(is) Curso(s)? Ordenar por Nm\_Curso.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_ALUNO = (“JULIA”,”MARIO”,”GLORIA”)

ORDER BY NM\_CURSO ASC

1. Listar os Professores dos Cursos de ADS, BSI e BCC, em ordem de Nm\_Curso e Nm\_Professor.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

WHERE NM\_CURSO = (“ADS”,”BSI”,”BCC”)

ORDER BY NM\_PROFESSOR AND NM\_CURSO ASC

1. A Turma 108201a16 pertence a qual Curso e com quais Disciplinas são oferecidas aos Alunos? Classificar por Nm\_Disciplina.

SELECT \* FROM PROFESSOR,DISCIPLINA,CURSOS,ALUNO AS P

INNER JOIN TURMA\_PROFESSOR AS TP ON P.CD\_PROFESSOR=TP.CD\_PROFESSOR

INNER JOIN TURMA AS T ON TP.CD\_TURMA=T.CD\_TURMA

INNER JOIN TURMA\_DISCIPLINA AS TD ON T.CD\_TURMA=TD.CD\_TURMA

INNER JOIN ALUNO AS A ON T.CD\_TURMA=A.CD\_TURMA

INNER JOIN DISCIPLINA AS D ON TD.CD\_DISCIPLINA=D.CD\_DISCIPLINA

INNER JOIN CURSO AS C ON T.CD\_CURSO=C.CD\_CURSO

INNER JOIN TURMA AS T ON C.CD\_CURSO=T.CD\_CURSO

WHERE NM\_TURMA=108201A16

ORDER BY NM\_DISCIPLINA