2. Elabore os comandos DML em um banco de dados.

b) Insira um registro na tabela aluno preechendo somente a coluna id\_aluno com o valor 1. Qual foi o resultado?

INSERT INTO aluno(id\_aluno) values(1) INT NOT NULL;

c) Insira os seguintes registros na tabela aluno.

INSERT INTO `aluno`(`id\_aluno`, `nome\_aluno`) VALUES (1,'JOSE');

INSERT INTO `aluno`(`id\_aluno`, `nome\_aluno`) VALUES (2,'MARIA');

INSERT INTO `aluno`(`id\_aluno`, `nome\_aluno`) VALUES (3,'BRUNO');

INSERT INTO `aluno`(`id\_aluno`, `nome\_aluno`) VALUES (4,'CARLA');

INSERT INTO `aluno`(`id\_aluno`, `nome\_aluno`) VALUES (5,'PEDRO');

d) Insira um registro na tabela disciplina com os valores 1 para id\_disciplina, BANCO DE DADOS I para nome\_disciplina e -1 para carga\_horaria. Qual foi o resultado?

INSERT INTO `disciplina`(`id\_disciplina`, `nome\_disciplina`, `carga\_horaria`) VALUES (1,'BANCO DE DADOS I',-1);

Resultado encontrado, foi: CONSTRAINT `disciplina.carga\_horaria` failed for `academico`.`disciplina`

e) Insira os seguintes registros na tabela disciplina.

id\_disciplina nome\_disciplina carga\_horaria

1 BANCO DE DADOS I 60

2 BANCO DE DADOS II 60

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `disciplina`(`id\_disciplina`, `nome\_disciplina`, `carga\_horaria`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (1,'BANCO DE DADOS I',60)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `disciplina`(`id\_disciplina`, `nome\_disciplina`, `carga\_horaria`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (2,'BANCO DE DADOS II',60)

f) Insira os seguintes resgistros na tabela professor.

id\_professor nome\_professor

1 LETICIA

2 JOSE REGINALDO

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `professor`(`id\_professor`, `nome\_professor`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (1, 'LETICIA')

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `professor`(`id\_professor`, `nome\_professor`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (2, 'JOSE REGINALDO')

g) Insira um registro na tabela turma com os valores 1 para id\_turma, 20192 para num\_periodo. Qual foi o resultado?

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `turma`(`id\_turma`, `num\_periodo`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (1, 20192)

h) Insira um registro na tabela turma com os valores 1 para id\_turma, 20201 para num\_periodo. Qual foi o resultado?

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `turma`(`id\_turma`, `num\_periodo`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (2, 20201)

i) Insira um registro na tabela turma com os valores 2 para id\_turma, 20201 para num\_periodo e 3 para id\_professor. Qual foi o resultado?

INSERT INTO `turma`(`id\_turma`, `num\_periodo`, `id\_professor`) VALUES (2, 20201, 3)

Entrada '2' duplicada para a chave 'PRIMARY'

j) Insira os registros na tabela turma.

id\_turma num\_periodo id\_professor id\_disciplina

3 20201 1 1

4 20202 2 2

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `turma`(`id\_turma`, `num\_periodo`, `id\_professor`, `id\_disciplina`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (3, 20201, 1, 1)

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `turma`(`id\_turma`, `num\_periodo`, `id\_professor`, `id\_disciplina`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (4, 20205, 2, 2)

k) Insira os registros na tabela historico.

id\_historico id\_turma id\_aluno

1 1 1

2 1 2

3 1 3

4 1 4

5 3 1

6 3 2

7 4 3

8 4 4

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (1, 1, 1)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (2, 1, 2)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (3, 1, 3)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (4, 1, 4)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (5, 3, 1)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (6, 3, 2)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (7, 4, 3)

Parte superior do formulário

Parte inferior do formulário

[INSERT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO `historico`(`id\_historico`, `id\_turma`, `id\_aluno`) [VALUES](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/miscellaneous-functions.html#function_values) (8, 4, 4)

l) Altere o nome do aluno JOSE para JOAO.

[UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) `aluno` [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html) `nome\_aluno`='JOAO' WHERE id\_aluno = 1



m) Altere o id\_disciplina de BANCO DE DADOS I para o valor 3. Qual foi o resultado?

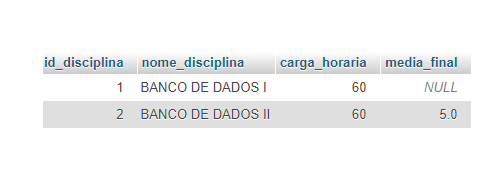
UPDATE `disciplina` SET `id\_disciplina`= 3 WHERE id\_disciplina = 1

**Mensagens do MySQL :**[Documentação](http://localhost/phpmyadmin/url.php?url=https%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.7%2Fen%2Fserver-error-reference.html)Cannot delete or update a parent row: a foreign key constraint fails (`academico`.`turma`, CONSTRAINT `turma\_ibfk\_2` FOREIGN KEY (`id\_disciplina`) REFERENCES `disciplina` (`id\_disciplina`))

n) Altere a media\_final dos alunos que estão na turma de BANCO DE DADOS II para 5.

[ALTER](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) disciplina ADD COLUMN media\_final [DECIMAL](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/numeric-types.html)(3,1)

[UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) `disciplina` [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html) `media\_final`= 5 WHERE nome\_disciplina = 'BANCO DE DADOS II'



o) Exclua o aluno PEDRO. Qual foi o resultado?

[DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/delete.html) FROM `aluno` WHERE id\_aluno = 5



p) Exclua a disciplina BANCO DE DADOS II. Qual foi o resultado?

 1 linha afectada. (A consulta demorou 0,0657 segundos.)

[DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/delete.html) FROM `disciplina` WHERE id\_disciplina = 2

q) Exclua o professor JOSE REGINALDO. Qual foi o resultado?

1 linha afectada. (A consulta demorou 0,1957 segundos.)

[DELETE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/delete.html) FROM `professor` WHERE id\_professor = 2