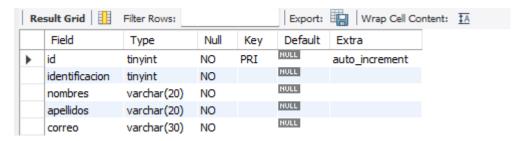
```
create database instituto charset utf8mb4;
   2 •
           use instituto;
   3
                                                          Message
                                                                                                     Duration / Fetch
    1 16:58:14 create database instituto charset utf8mb4
                                                         1 row(s) affected
                                                                                                    0.031 sec
  2 16:58:18 use instituto
                                                         0 row(s) affected
                                                                                                    0.000 sec
   4 • ⊝ create table alumnos(
   5
            id tinyint primary key auto_increment,
            identificacion tinyint not null,
   6
   7
            nombres varchar(20) not null,
            apellidos varchar(20) not null,
   8
            correo varchar(30) not null
   9
 10
            );
 11
 12 •
            insert into alumnos (id, identificacion, nombres, apellidos, correo)
            values
 13
            (1,11, "pedro", "coral", "pcoral@yahoo.com"),
 14
            (2,12, "maria", "madrugada", "mmadrugada@gmail.com"),
 15
            (3,13, "monik", "arango", "varango@yahoo.com");
 16
 17
            select * from alumnos;
 18 •
 19
                                                | Edit: 👍 🖶 | Export/Import: 📳 🐌 | Wrap Cell Content: 🖽
identificacion
                       nombres
                                  apellidos
                                              correo
          11
                       pedro
                                 coral
                                              pcoral@yahoo.com
   2
          12
                       maria
                                 madrugada
                                             mmadrugada@gmail.com
          13
                       monik
                                 arango
                                              varango@yahoo.com
 NULL
         NULL
                       NULL
                                 NULL
    3 17:00:03 create table alumnos(id tinyint primary key auto_increme... 0 row(s) affected
                                                                                                   0.079 sec
    4 17:00:21 insert into alumnos (id, identificacion, nombres, apellidos, ... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0
    5 17:00:39 select *from alumnos LIMIT 0, 2000
                                                                                                   0.000 sec / 0.000 sec
                                                        3 row(s) returned
                                                                                                   0.079 sec
     6 17:03:35 create table profesores(id tinyint primary key auto_incre... 0 row(s) affected
     7 17:03:55 insert into profesores (id.identificacion,nombres,apellido... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0
                                                                                                  0.047 sec
     8 17:04:49 select *from profesores LIMIT 0, 2000
                                                        3 row(s) returned
                                                                                                   0.000 sec / 0.000 sec
```

19 describe alumnos;



 ♦
 15
 17:20:19
 describe alumnos
 5 row(s) returned
 0.016 sec / 0.000 sec

Alumnos						
Campo	Tipo	Longitud	PK	FK		
Id	Tinyint		X			
Identificación	Tinyint					
Nombres	Varchar	20				
Apellidos	Varchar	20				
Correo	varchar	30				

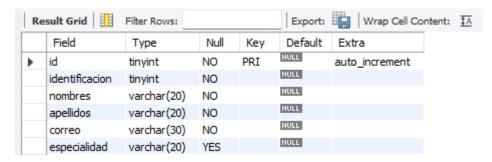
```
20 • ⊖ create table profesores(
        id tinyint primary key auto_increment,
21
        identificacion tinyint not null,
22
        nombres varchar(20) not null,
23
        apellidos varchar(20) not null,
24
25
        correo varchar(30) not null,
        especialidad varchar(20)
26
        );
27
28
        insert into profesores (id,identificacion,nombres,apellidos,correo,especialidad)
29 •
30
        values
        (1,20, "juan", "rojas", "jrohas@gmail.com", "sistemas"),
31
        (2,21, "erika", "galiano", "egaliano@gmail.com", "software"),
32
        (3,22, "vilma", "arango", "varango@yahoo.com", "software");
33
34
        select * from profesores;
35 •
36
                                          Edit: 🚄 🖶 🖶 Export/Import: 📳 🐻 Wrap Cell Content: 🔼
identificacion
                                                         especialidad
                     nombres
                             apellidos
                                      correo
        20
                                      jrohas@gmail.com
                                                        sistemas
  1
                             rojas
                    juan
        21
  2
                    erika
                             galiano
                                                        software
                                      egaliano@gmail.com
        22
                    vilma
                             arango
                                      varango@yahoo.com
                                                        software
  NULL
                    NULL
                             NULL
```

```
    ◆ 6 17:03:35 create table profesores (id tinyint primary key auto_incre... 0 row(s) affected
    0.079 sec

    ◆ 7 17:03:55 insert into profesores (id,identificacion,nombres,apellido... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0
    0.047 sec

    ◆ 8 17:04:49 select * from profesores LIMIT 0, 2000 3 row(s) returned
    0.000 sec / 0.000 sec
```

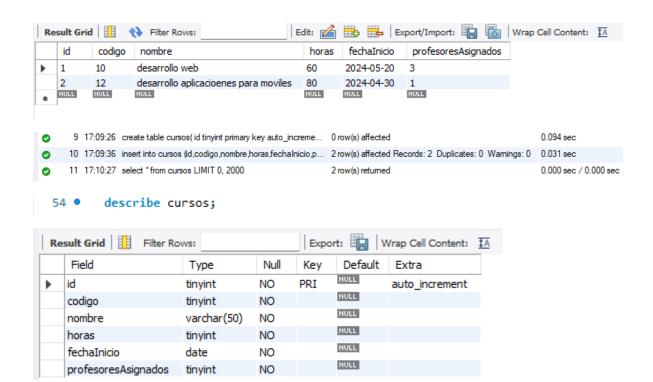
37 • describe profesores;



16 17:23:39 describe profesores 6 row(s) returned 0.000 sec / 0

Profesores						
Campo	Tipo	Longitud	PK	FK		
Id	Tinyint		Х			
Identificación	Tinyint					
Nombres	Varchar	20				
Apellidos	Varchar	20				
Correo	varchar	30				
Especialidad	varchar	20				

```
37 • ⊖ create table cursos(
38
       id tinyint primary key auto_increment,
39
       codigo tinyint not null,
40
       nombre varchar(50) not null,
       horas tinyint not null,
41
       fechaInicio date not null,
42
       profesoresAsignados tinyint not null
43
44
       );
45
       insert into cursos (id,codigo,nombre,horas,fechaInicio,profesoresAsignados)
46 •
       values
47
48
       (1,10, "desarrollo web",60, '2024-05-20',3),
49
       (2,12, "desarrollo aplicacioenes para moviles",80, '2024-04-30',1);
50
51 •
       select * from cursos;
52
```



17 17:26:09 describe cursos 6 row(s) returned 0.016 sec / 0.000 sec

Cursos						
Campo	Tipo	Longitud	PK	FK		
Id	Tinyint		Х			
Código	Tinyint					
Nombre	Varchar	50				
Hora	tinyint					
Fecha inicio	date					
Pofesor Asignado	Tinyint					

```
53 • ⊖ create table matriculasCursos(
  54
            cursos tinyint not null,
  55
            alumno tinyint not null
  56
          );
  57
            insert into matriculasCursos (cursos,alumno)
  58 •
           values
  59
  60
            (1,1),
            (1,2),
  61
  62
            (2,3);
  63
  64 •
           select * from matriculasCursos;
                                                      Export: Wrap Cell Content: 1A
 Result Grid
                   Filter Rows:
     cursos
              alumno
    1
              1
             2
              3
  12 17:14:35 create table matriculasCursos( cursos tinyint not null, al... 0 row(s) affected
                                                                                              0.062 sec
    13 17:14:45 insert into matriculasCursos (cursos, alumno) values (1,1... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0 0.032 sec
                                                                                              0.000 sec / 0.000 sec
  14 17:15:29 select *from matriculasCursos LIMIT 0, 2000
                                                 3 row(s) returned
  68 •
            describe matriculasCursos;
                                                 Export: Wrap Cell Content: $\frac{1}{4}
 Result Grid Filter Rows:
     Field
               Type
                        Null
                                Key
                                       Default
                                                Extra
                                      NULL
                       NO
     cursos
               tinyint
                                      NULL
              tinyint NO
     alumno

    18 17:28:09 describe matriculasCursos

                                                      2 row(s) returned
                                                                                              0.016 sec / 0.000 sec
Matriculas Cursos
                                                               PK
Campo
                     Tipo
                                          Longitud
                                                                                     FΚ
                                                               Χ
Curso
                     Tinyint
```

alumnos

Tinyint