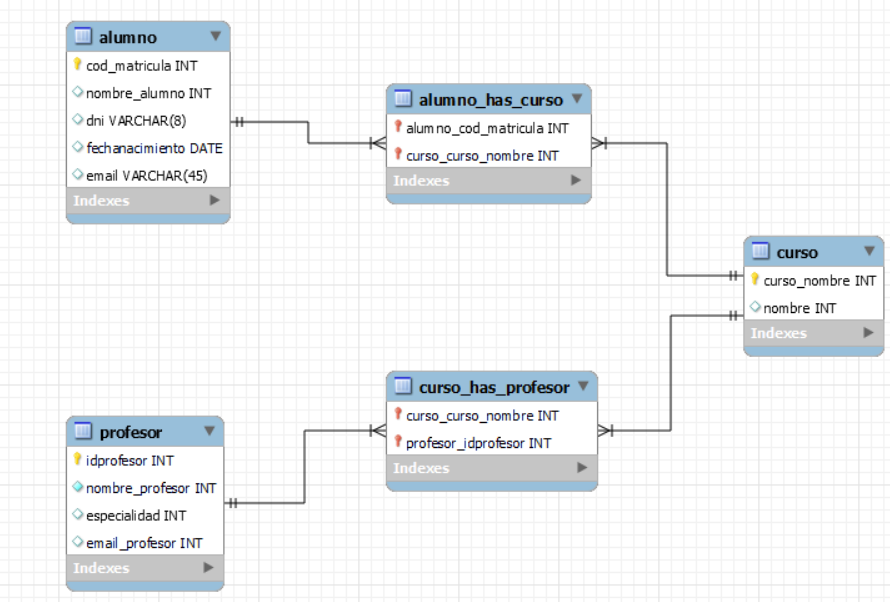
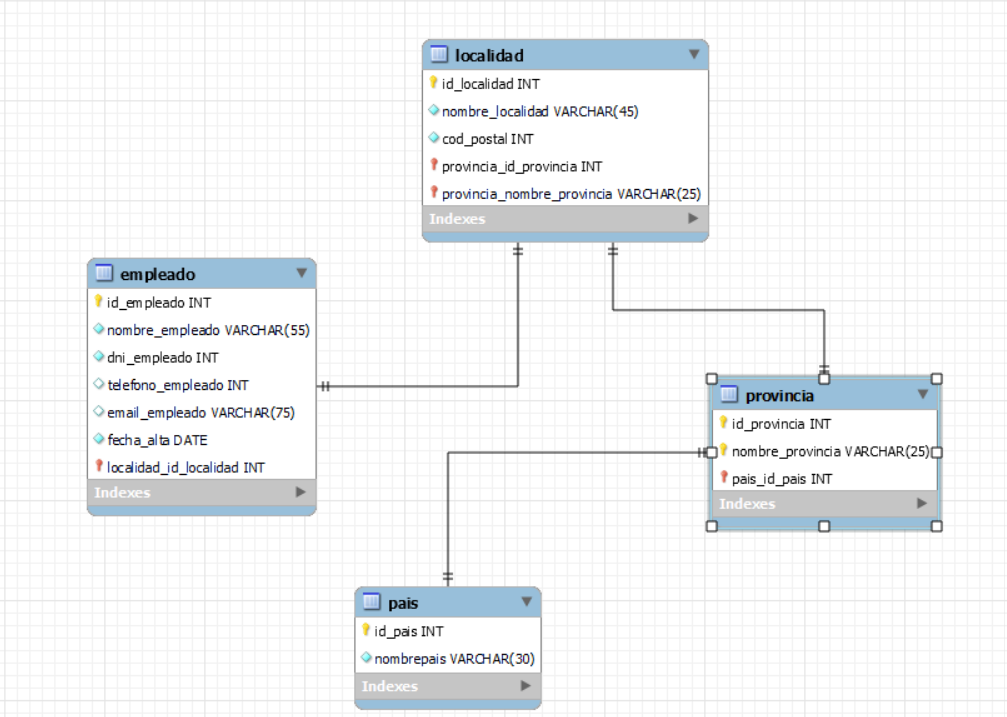
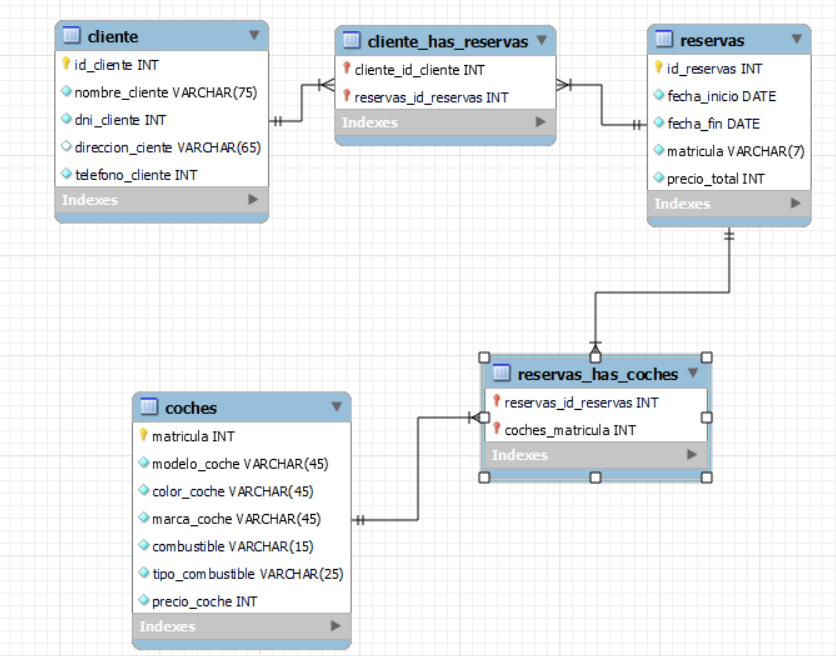
Ejercicio 1



Ejercicio 2



Ejercicio 3



Ejercicio 4

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

CREATE SCHEMA IF NOT EXISTS `silicon` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `silicon` ;

-- -----------------------------------------------------

-- Table `silicon`.`alumno`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`alumno` (

  `cod\_matricula` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_alumno` INT NOT NULL,

  `dni` VARCHAR(8) NULL DEFAULT NULL,

  `fechanacimiento` DATE NOT NULL,

  `email` VARCHAR(45) NOT NULL,

  PRIMARY KEY (`cod\_matricula`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`curso`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`curso` (

  `curso\_nombre` INT NOT NULL,

  `nombre` INT NOT NULL,

  PRIMARY KEY (`curso\_nombre`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`profesor`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`profesor` (

  `idprofesor` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_profesor` INT NOT NULL,

  `especialidad` INT NOT NULL,

  `email\_profesor` INT NOT NULL,

  PRIMARY KEY (`idprofesor`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`alumno\_has\_profesor`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`alumno\_has\_profesor` (

  `alumno\_cod\_matricula` INT NOT NULL,

  `profesor\_idprofesor` INT NOT NULL,

  PRIMARY KEY (`alumno\_cod\_matricula`, `profesor\_idprofesor`),

  INDEX `fk\_alumno\_has\_profesor\_profesor1\_idx` (`profesor\_idprofesor` ASC) VISIBLE,

  INDEX `fk\_alumno\_has\_profesor\_alumno\_idx` (`alumno\_cod\_matricula` ASC) VISIBLE,

  CONSTRAINT `fk\_alumno\_has\_profesor\_alumno`

    FOREIGN KEY (`alumno\_cod\_matricula`)

    REFERENCES `silicon`.`alumno` (`cod\_matricula`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk\_alumno\_has\_profesor\_profesor1`

    FOREIGN KEY (`profesor\_idprofesor`)

    REFERENCES `silicon`.`profesor` (`idprofesor`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`profesor\_has\_curso`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`profesor\_has\_curso` (

  `profesor\_idprofesor` INT NOT NULL,

  `curso\_curso\_nombre` INT NOT NULL,

  PRIMARY KEY (`profesor\_idprofesor`, `curso\_curso\_nombre`),

  INDEX `fk\_profesor\_has\_curso\_curso1\_idx` (`curso\_curso\_nombre` ASC) VISIBLE,

  INDEX `fk\_profesor\_has\_curso\_profesor1\_idx` (`profesor\_idprofesor` ASC) VISIBLE,

  CONSTRAINT `fk\_profesor\_has\_curso\_profesor1`

    FOREIGN KEY (`profesor\_idprofesor`)

    REFERENCES `silicon`.`profesor` (`idprofesor`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk\_profesor\_has\_curso\_curso1`

    FOREIGN KEY (`curso\_curso\_nombre`)

    REFERENCES `silicon`.`curso` (`curso\_nombre`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`pais`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`pais` (

  `id\_pais` INT NOT NULL AUTO\_INCREMENT,

  `nombrepais` VARCHAR(30) NOT NULL,

  PRIMARY KEY (`id\_pais`),

  UNIQUE INDEX `nombrepais\_UNIQUE` (`nombrepais` ASC) VISIBLE)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`provincia`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`provincia` (

  `id\_provincia` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_provincia` VARCHAR(25) NOT NULL,

  `pais\_id\_pais` INT NOT NULL,

  PRIMARY KEY (`id\_provincia`, `pais\_id\_pais`),

  INDEX `fk\_provincia\_pais1\_idx` (`pais\_id\_pais` ASC) VISIBLE,

  CONSTRAINT `fk\_provincia\_pais1`

    FOREIGN KEY (`pais\_id\_pais`)

    REFERENCES `silicon`.`pais` (`id\_pais`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`localidad`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`localidad` (

  `id\_localidad` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_localidad` VARCHAR(45) NOT NULL,

  `cod\_postal` INT NOT NULL,

  `provincia\_id\_provincia` INT NOT NULL,

  PRIMARY KEY (`id\_localidad`, `provincia\_id\_provincia`),

  INDEX `fk\_localidad\_provincia1\_idx` (`provincia\_id\_provincia` ASC) VISIBLE,

  CONSTRAINT `fk\_localidad\_provincia1`

    FOREIGN KEY (`provincia\_id\_provincia`)

    REFERENCES `silicon`.`provincia` (`id\_provincia`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`empleado`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`empleado` (

  `id\_empleado` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_empleado` VARCHAR(55) NOT NULL,

  `dni\_empleado` INT NOT NULL,

  `telefono\_empleado` VARCHAR(12) NOT NULL,

  `email\_empleado` VARCHAR(75) NOT NULL,

  `fecha\_alta` DATE NOT NULL,

  `localidad\_id\_localidad` INT NOT NULL,

  PRIMARY KEY (`id\_empleado`, `localidad\_id\_localidad`),

  INDEX `fk\_empleado\_localidad1\_idx` (`localidad\_id\_localidad` ASC) VISIBLE,

  CONSTRAINT `fk\_empleado\_localidad1`

    FOREIGN KEY (`localidad\_id\_localidad`)

    REFERENCES `silicon`.`localidad` (`id\_localidad`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`cliente`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`cliente` (

  `id\_cliente` INT NOT NULL AUTO\_INCREMENT,

  `nombre\_cliente` VARCHAR(75) NOT NULL,

  `dni\_cliente` INT NOT NULL,

  `direccion\_ciente` VARCHAR(65) NOT NULL,

  `telefono\_cliente` VARCHAR(20) NOT NULL,

  PRIMARY KEY (`id\_cliente`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`coches`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`coches` (

  `matricula` INT NOT NULL,

  `modelo\_coche` VARCHAR(45) NOT NULL,

  `color\_coche` VARCHAR(45) NOT NULL,

  `marca\_coche` VARCHAR(45) NOT NULL,

  `combustible` VARCHAR(15) NOT NULL,

  `tipo\_combustible` VARCHAR(25) NOT NULL,

  `precio\_coche` INT NOT NULL,

  PRIMARY KEY (`matricula`),

  UNIQUE INDEX `matricula\_UNIQUE` (`matricula` ASC) VISIBLE)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`reservas`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`reservas` (

  `id\_reservas` INT NOT NULL AUTO\_INCREMENT,

  `fecha\_inicio` DATE NOT NULL,

  `fecha\_fin` DATE NOT NULL,

  `matricula` VARCHAR(7) NOT NULL,

  `precio\_total` INT NOT NULL,

  PRIMARY KEY (`id\_reservas`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`cliente\_has\_reservas`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`cliente\_has\_reservas` (

  `cliente\_id\_cliente` INT NOT NULL,

  `reservas\_id\_reservas` INT NOT NULL,

  PRIMARY KEY (`cliente\_id\_cliente`, `reservas\_id\_reservas`),

  INDEX `fk\_cliente\_has\_reservas\_reservas1\_idx` (`reservas\_id\_reservas` ASC) VISIBLE,

  INDEX `fk\_cliente\_has\_reservas\_cliente1\_idx` (`cliente\_id\_cliente` ASC) VISIBLE,

  CONSTRAINT `fk\_cliente\_has\_reservas\_cliente1`

    FOREIGN KEY (`cliente\_id\_cliente`)

    REFERENCES `silicon`.`cliente` (`id\_cliente`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk\_cliente\_has\_reservas\_reservas1`

    FOREIGN KEY (`reservas\_id\_reservas`)

    REFERENCES `silicon`.`reservas` (`id\_reservas`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

-- -----------------------------------------------------

-- Table `silicon`.`reservas\_has\_coches`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `silicon`.`reservas\_has\_coches` (

  `reservas\_id\_reservas` INT NOT NULL,

  `coches\_matricula` INT NOT NULL,

  PRIMARY KEY (`reservas\_id\_reservas`, `coches\_matricula`),

  INDEX `fk\_reservas\_has\_coches\_coches1\_idx` (`coches\_matricula` ASC) VISIBLE,

  INDEX `fk\_reservas\_has\_coches\_reservas1\_idx` (`reservas\_id\_reservas` ASC) VISIBLE,

  CONSTRAINT `fk\_reservas\_has\_coches\_reservas1`

    FOREIGN KEY (`reservas\_id\_reservas`)

    REFERENCES `silicon`.`reservas` (`id\_reservas`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION,

  CONSTRAINT `fk\_reservas\_has\_coches\_coches1`

    FOREIGN KEY (`coches\_matricula`)

    REFERENCES `silicon`.`coches` (`matricula`)

    ON DELETE NO ACTION

    ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

insert into alumno values(1,'Franco Cabañas','3972507','1996-07-20','franncabanas@gmail.com')

insert into alumno values(2,'German Garmendia','37522107','1985-01-05','germans@gmail.com')

insert into alumno values(3,'Nestor Arina','40253452','1999-03-22','nestitor@gmail.com')

insert into curso values(1,'geografia')

insert into curso values(2,'matematica')

insert into curso values(3,'lengua')

insert into profesor values(1,'Garcia Ramon','Contador','reimongar@gmail.com')

insert into profesor values(2,'Albert Lucia','Geografa','luchialbert@gmail.com')

insert into profesor values(3,'Paredes Gerardo','Historiador','gerardito@gmail.com')

insert into pais values(10,'Argentina');

insert into pais values(20,'Brasil');

insert into pais values(30,'Uruguay');

insert into provincia values(11,'Misiones');

insert into provincia values(21,'Brasilia');

insert into provincia values(31,'Montevideo');

insert into localidad values(12,'Posadas');

insert into localidad values(22,'Brasilia');

insert into localidad values(32,'Bahia');

insert into empleado values(100,'Gonzalez Mauro','17170123','3764452354','gonzama@gmail.com','2012-07-06');

insert into empleado values(101,'Gonzalez Silvia','18523652','3755245633','silvita@gmail.com','2018-01-03');

insert into empleado values(102,'Perez Josias','37523325','3654223125','josua@gmail.com','2019-03-12');

insert into cliente values(200,'Oliva Juan','17170123','Tamareu4344','37654225863');

insert into cliente values(201,'Retamar Pedro','19533358','GeneralPaz335','3764533255');

insert into cliente values(203,'Barrios Monica','37523352','RoquePerez633','3768553225');

insert into reservas values(301,'2022-06-05','2022-06-08','aa054cc','7000');

insert into reservas values(302,'2022-07-02','2022-08-10','ad005yp','3000');

insert into reservas values(303,'2022-01-15','2022-12-08','ae001as','5000');

insert into coches values('ac054cc','fiesta','rojo','ford','medio','nafta','7000');

insert into coches values('ad005yp','207','negro','peugeot','medio','nafta','3000');

insert into coches values('ae001as','civic','gris','honda','lleno','nafta','5000');

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;