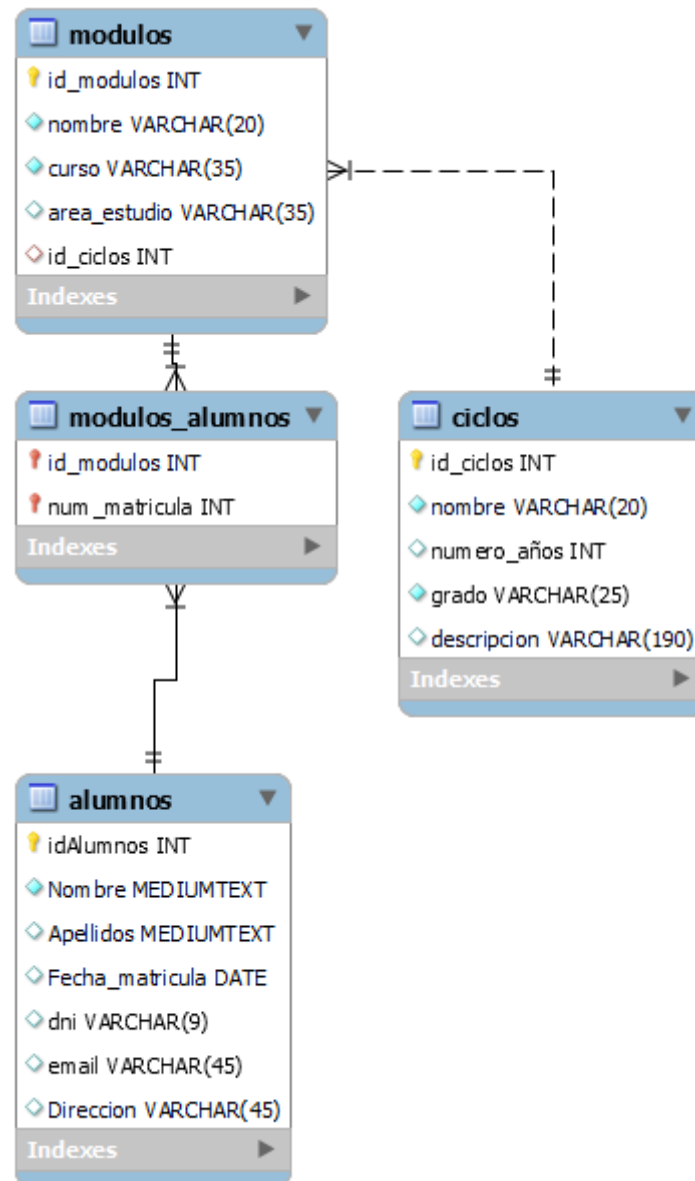


AO2 - Codificando en SQL

Álvaro Naranjo Grande

Parte 1 – Según la solución propuesta en el ejercicio 1 de la entrega obligatoria 2, debe crear el código sql.



-- MySQL dump 10.13 Distrib 8.0.36, for Win64 (x86_64)

--

-- Host: localhost Database: alumnos_asir

-- Server version 8.0.36

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!50503 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
```

```
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO'
*/;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--
-- Table structure for table `alumnos`
--

DROP TABLE IF EXISTS `alumnos`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `alumnos` (
  `idAlumnos` int NOT NULL AUTO_INCREMENT,
  `Nombre` mediumtext NOT NULL,
  `Apellidos` mediumtext,
  `Fecha_matricula` date DEFAULT NULL,
  `dni` varchar(9) DEFAULT NULL,
  `email` varchar(45) DEFAULT NULL,
  `Direccion` varchar(45) DEFAULT 'Madrid',
  PRIMARY KEY (`idAlumnos`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `alumnos`
--

LOCK TABLES `alumnos` WRITE;
/*!40000 ALTER TABLE `alumnos` DISABLE KEYS */;
INSERT INTO `alumnos` VALUES (1,'Cesar','Fenoy Diaz','2024-02-
14','54367426l','cesar@gmail.com','Madrid'),(2,'Angel','Garcia Lopez','2024-02-
15','07452366j','angel@hotmail.com','Valencia');
/*!40000 ALTER TABLE `alumnos` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

--
-- Table structure for table `ciclos`
--

DROP TABLE IF EXISTS `ciclos`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `ciclos` (
  `id_ciclos` int NOT NULL AUTO_INCREMENT,
  `nombre` varchar(20) NOT NULL,
  `numero_años` int DEFAULT '2',
  `grado` varchar(25) NOT NULL,
  `descripcion` varchar(190) DEFAULT NULL,
  PRIMARY KEY (`id_ciclos`),
  UNIQUE KEY `nombre_UNIQUE` (`nombre`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `ciclos`
--

LOCK TABLES `ciclos` WRITE;
/*!40000 ALTER TABLE `ciclos` DISABLE KEYS */;
/*!40000 ALTER TABLE `ciclos` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

--
-- Table structure for table `modulos`
--

DROP TABLE IF EXISTS `modulos`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `modulos` (
  `id_modulos` int NOT NULL,
  `nombre` varchar(20) NOT NULL,
  `curso` varchar(35) NOT NULL,
  `area_estudio` varchar(35) DEFAULT 'es un modulo de FP',
  `id_ciclos` int DEFAULT NULL,
  PRIMARY KEY (`id_modulos`),
  UNIQUE KEY `nombre_UNIQUE` (`nombre`),
  KEY `id_ciclos_idx` (`id_ciclos`),
  KEY `id_ciclosFK_idx` (`id_ciclos`),
  CONSTRAINT `id_ciclosFK` FOREIGN KEY (`id_ciclos`) REFERENCES `ciclos` (`id_ciclos`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `modulos`
--
```

```
--
LOCK TABLES `modulos` WRITE;
/*!40000 ALTER TABLE `modulos` DISABLE KEYS */;
/*!40000 ALTER TABLE `modulos` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

--
-- Table structure for table `modulos_alumnos`
--

DROP TABLE IF EXISTS `modulos_alumnos`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `modulos_alumnos` (
  `id_modulos` int NOT NULL,
  `num_matricula` int NOT NULL,
  PRIMARY KEY (`id_modulos`,`num_matricula`),
  KEY `num_matricula_idx` (`num_matricula`),
  CONSTRAINT `id_modulosFK` FOREIGN KEY (`id_modulos`) REFERENCES `modulos`
(`id_modulos`),
  CONSTRAINT `num_matriculaFK` FOREIGN KEY (`num_matricula`) REFERENCES `alumnos`
(`idAlumnos`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `modulos_alumnos`
--

LOCK TABLES `modulos_alumnos` WRITE;
/*!40000 ALTER TABLE `modulos_alumnos` DISABLE KEYS */;
/*!40000 ALTER TABLE `modulos_alumnos` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

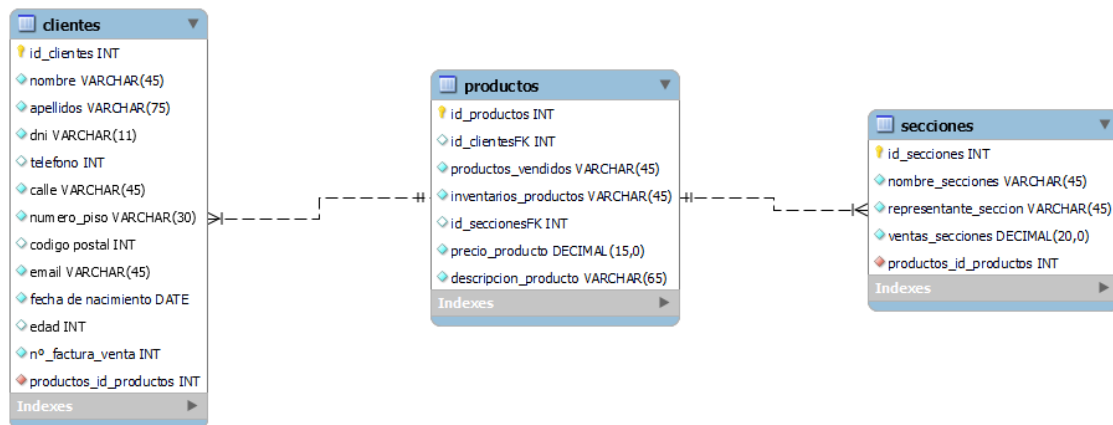
/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2024-03-10 3:19:59
```

Parte 2 – Suponga que tiene que crear una base de datos para una tienda y las indicaciones recibidas son:

Datos de productos. Los productos tienen un nombre, un código de producto, un precio, una descripción y estarán agrupados por secciones. Cada sección tiene un nombre y un representante.

Datos de clientes. La empresa vende a clientes que estarán registrados dentro de la base de datos. Para cada cliente se registra su nombre, dni, edad, dirección y teléfono.



```
-- MySQL dump 10.13 Distrib 8.0.36, for Win64 (x86_64)
```

```
--
```

```
-- Host: localhost Database: ejercicio2_2
```

```
-----
```

```
-- Server version 8.0.36
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!50503 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO'
*/;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
```

```
--
```

```
-- Table structure for table `clientes`
```

```
--
```

```
DROP TABLE IF EXISTS `clientes`;
```

```
/*!40101 SET @saved_cs_client = @@character_set_client */;
```

```
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `clientes` (
  `id_clientes` int NOT NULL AUTO_INCREMENT,
  `nombre` varchar(45) NOT NULL,
  `apellidos` varchar(75) NOT NULL,
  `dni` varchar(11) NOT NULL,
  `telefono` int DEFAULT NULL,
  `calle` varchar(45) NOT NULL,
  `numero_piso` varchar(30) NOT NULL,
  `codigo postal` int DEFAULT NULL,
  `email` varchar(45) NOT NULL,
  `fecha de nacimiento` date NOT NULL,
  `edad` int DEFAULT NULL,
  `nº_factura_venta` int NOT NULL,
  PRIMARY KEY (`id_clientes`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `clientes`
--

LOCK TABLES `clientes` WRITE;
/*!40000 ALTER TABLE `clientes` DISABLE KEYS */;
INSERT INTO `clientes` VALUES (1,'Álvaro','Naranjo Grande','53660851B',627868243,'Avenida
Talgo','226',28023,'alvaro.naranjo@gmail.com','1988-08-19',35,243),(2,'Verónica','Pérez
González','53624856B',669985321,'Calle
Galaxia','32',28037,'veronica.perez@hotmail.com','1984-05-08',39,337);
/*!40000 ALTER TABLE `clientes` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `productos`
--

DROP TABLE IF EXISTS `productos`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `productos` (
  `id_productos` int NOT NULL AUTO_INCREMENT,
  `id_clientesFK` int DEFAULT NULL,
  `productos_vendidos` varchar(45) NOT NULL,
  `inventarios_productos` varchar(45) NOT NULL,
  `id_seccionesFK` int DEFAULT NULL,
  `precio_producto` decimal(15,0) NOT NULL,
  `descripcion_producto` varchar(65) NOT NULL,
  PRIMARY KEY (`id_productos`),
  UNIQUE KEY `descripcion_producto_UNIQUE` (`descripcion_producto`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `productos`
--

LOCK TABLES `productos` WRITE;
/*!40000 ALTER TABLE `productos` DISABLE KEYS */;
INSERT INTO `productos` VALUES (1,1,'Libro rojo de la publicidad','6',1,12,'Libro de Luis
Bassat'),(2,2,'Libro texto Geometría','49',4,29,'Editorial Santillana');
/*!40000 ALTER TABLE `productos` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `secciones`
--

DROP TABLE IF EXISTS `secciones`;
/*!40101 SET @saved_cs_client = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `secciones` (
  `id_secciones` int NOT NULL AUTO_INCREMENT,
  `nombre_secciones` varchar(45) NOT NULL,
  `representante_seccion` varchar(45) NOT NULL,
  `ventas_secciones` decimal(20,0) NOT NULL,
  PRIMARY KEY (`id_secciones`)
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `secciones`
--

LOCK TABLES `secciones` WRITE;
/*!40000 ALTER TABLE `secciones` DISABLE KEYS */;
INSERT INTO `secciones` VALUES (1,'Ensayo','Esperanza Grande Vilchez',112000),(2,'Texto','Juan
Jiménez Carmona',112234);
/*!40000 ALTER TABLE `secciones` ENABLE KEYS */;
UNLOCK TABLES;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

-- Dump completed on 2024-03-10 3:39:24
```